Full wwPDB NMR Structure Validation Report (i)

Mar 13, 2026 – 11:43 PM UTC

PDB ID	:	2MAB / pdb_00002mab
BMRB ID	:	19340
Title	:	Untangling the Solution Structure of C-Terminal Domain of Aciniform Spidroin
Authors	:	Wang, S.; Yang, D.
Deposited on	:	2013-07-09

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/NMRValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

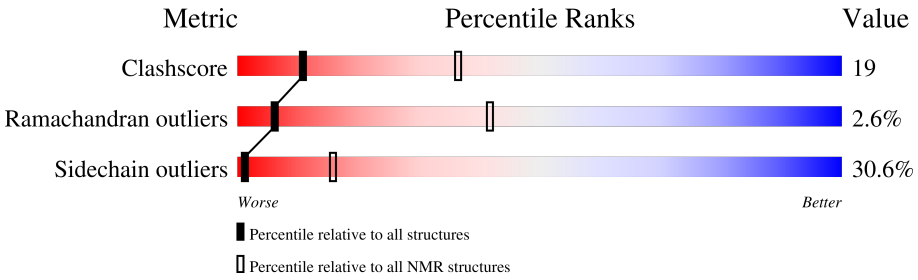
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
SOLUTION NMR

The overall completeness of chemical shifts assignment is 44%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	109	52% 39% 6% .
1	B	109	45% 48% 5% .

2 Ensemble composition and analysis

This entry contains 20 models. Model 14 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *fewest violations*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:4-A:108, B:4-B:109 (211)	0.24	14

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

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

The models can be grouped into 4 clusters and 1 single-model cluster was found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 3100 atoms, of which 1576 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called ACINIFORM SPIDROIN.

Mol	Chain	Residues	Atoms						Trace
1	A	109	Total	C	H	N	O	S	0
			1551	468	789	136	157	1	
1	B	109	Total	C	H	N	O	S	0
			1549	468	787	136	157	1	

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

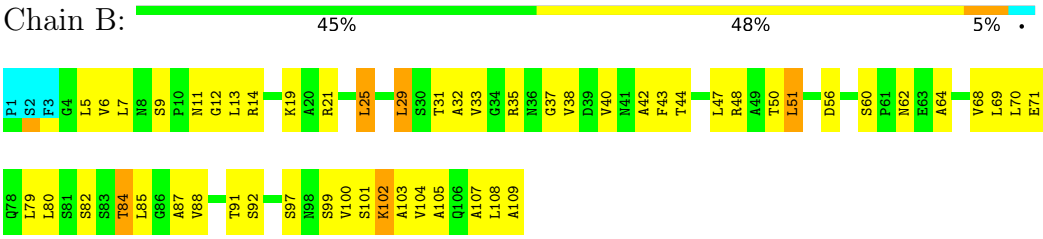
These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-coded according to the number of geometric quality criteria for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

• Molecule 1: ACINIFORM SPIDROIN

Chain A:

• Molecule 1: ACINIFORM SPIDROIN

Chain B:



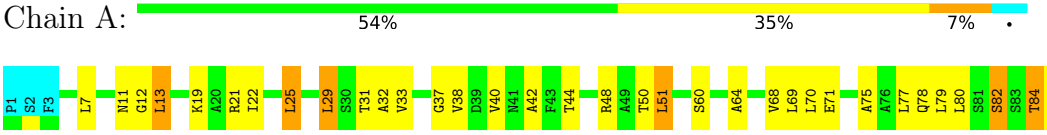
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

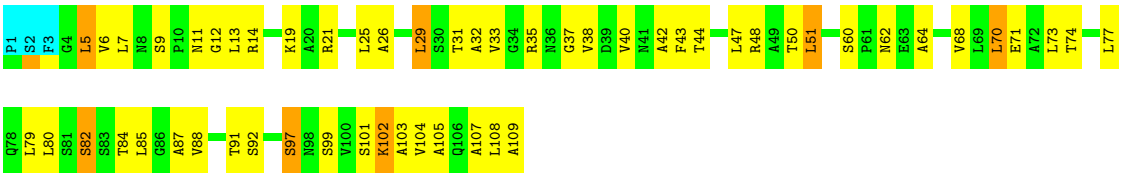
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

Chain B:



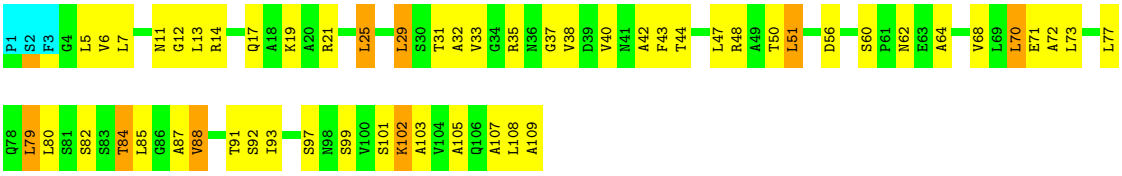
4.2.2 Score per residue for model 2

• Molecule 1: ACINIFORM SPIDROIN

Chain A:

• Molecule 1: ACINIFORM SPIDROIN

Chain B:



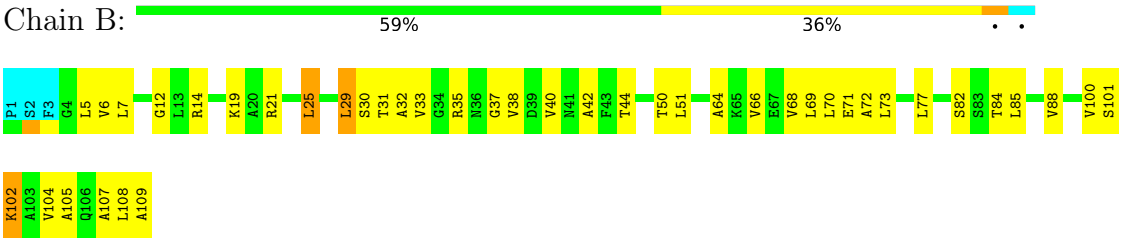
4.2.3 Score per residue for model 3

• Molecule 1: ACINIFORM SPIDROIN

Chain A:

• Molecule 1: ACINIFORM SPIDROIN

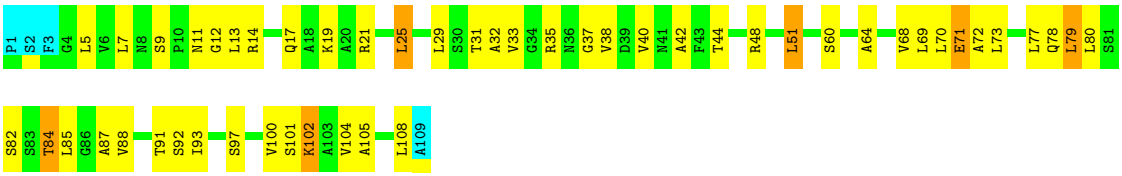
Chain B:



4.2.4 Score per residue for model 4

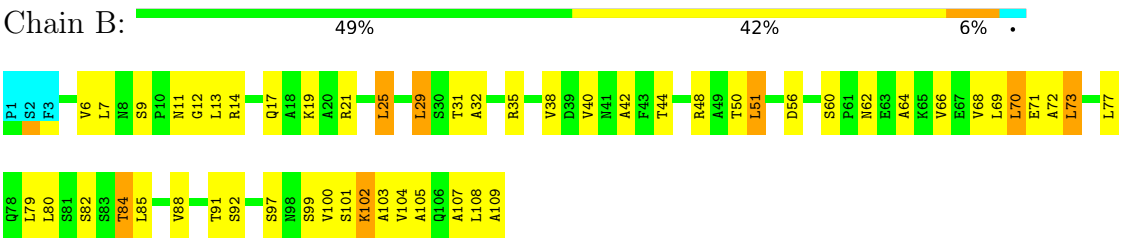
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

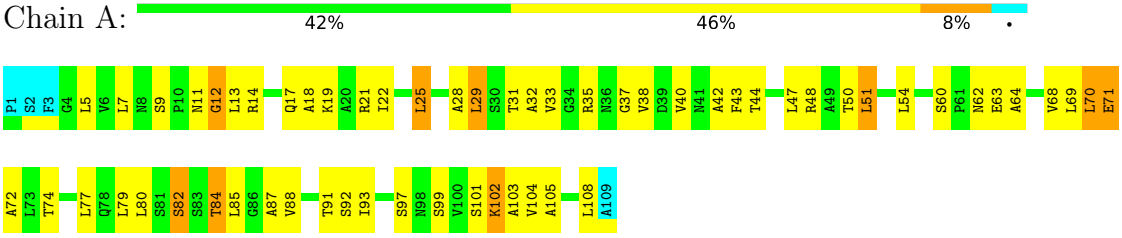
Chain B:



4.2.5 Score per residue for model 5

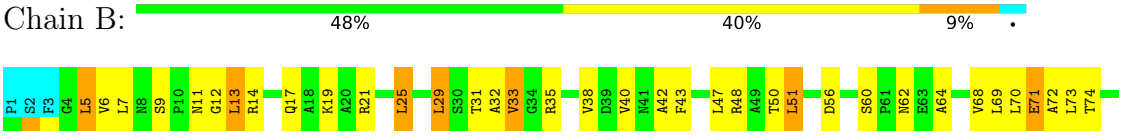
• Molecule 1: ACINIFORM SPIDROIN

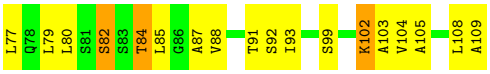
Chain A:



• Molecule 1: ACINIFORM SPIDROIN

Chain B:

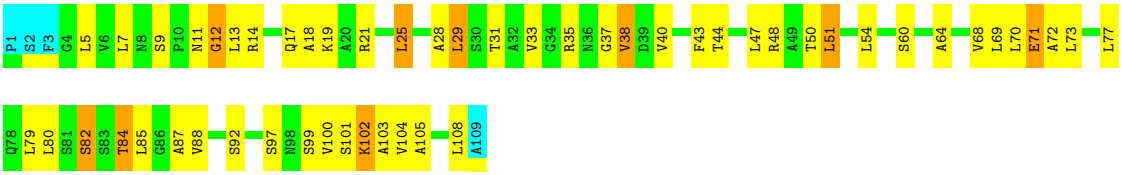




4.2.6 Score per residue for model 6

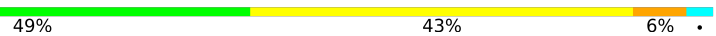
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

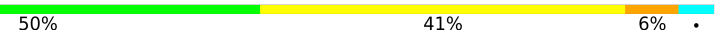
Chain B:



4.2.7 Score per residue for model 7

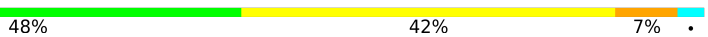
• Molecule 1: ACINIFORM SPIDROIN

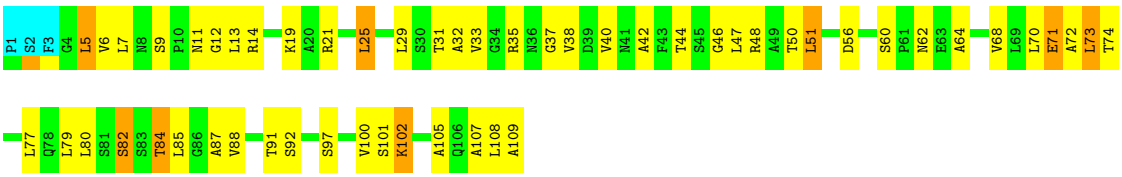
Chain A:



• Molecule 1: ACINIFORM SPIDROIN

Chain B:

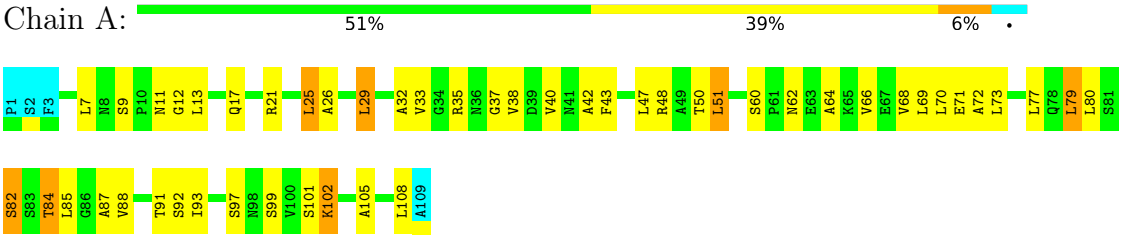




4.2.8 Score per residue for model 8

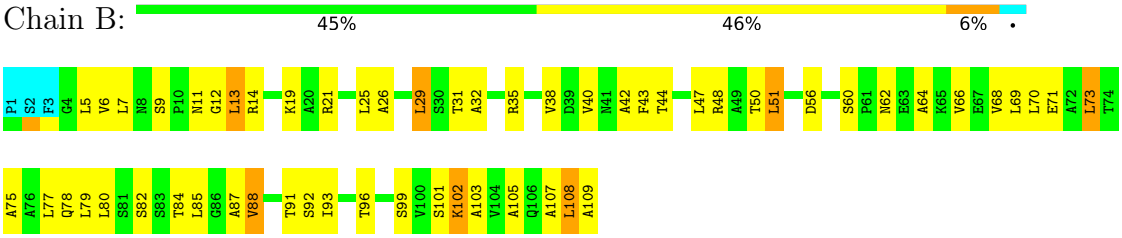
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

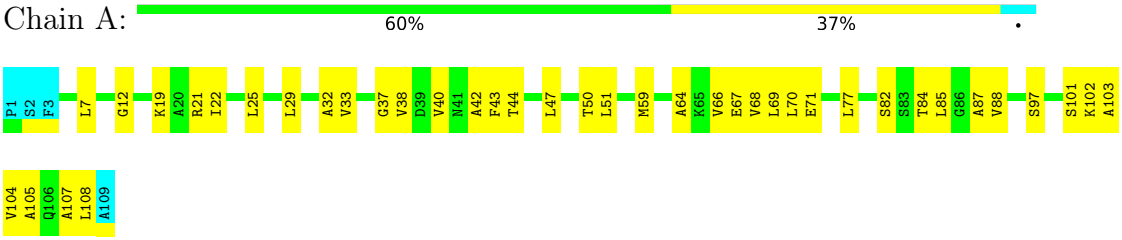
Chain B:



4.2.9 Score per residue for model 9

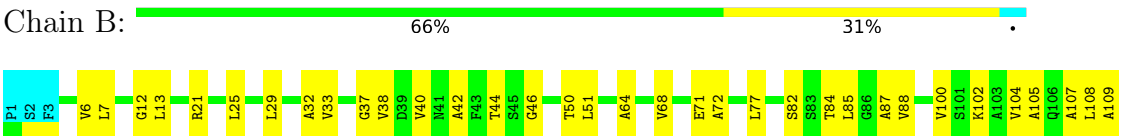
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

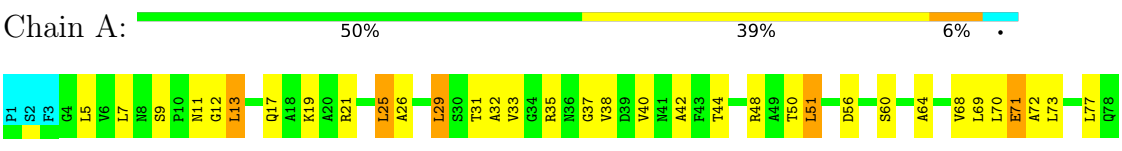
Chain B:

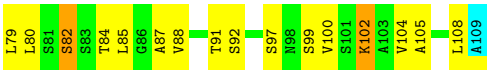


4.2.10 Score per residue for model 10

• Molecule 1: ACINIFORM SPIDROIN

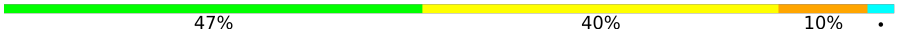
Chain A:

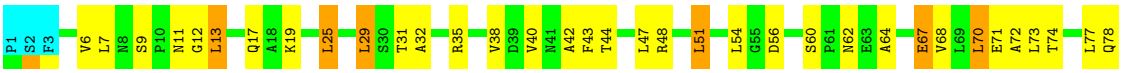


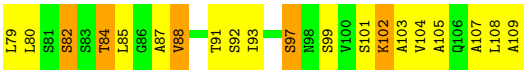


• Molecule 1: ACINIFORM SPIDROIN

Chain B:



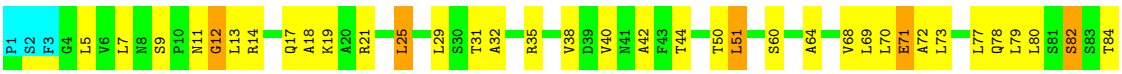


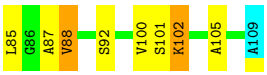


4.2.11 Score per residue for model 11

• Molecule 1: ACINIFORM SPIDROIN

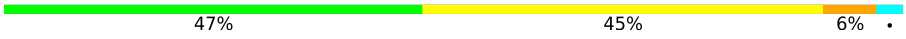
Chain A:

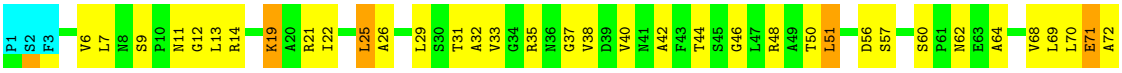


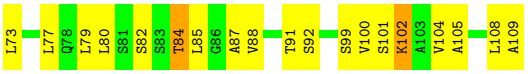


• Molecule 1: ACINIFORM SPIDROIN

Chain B:



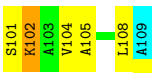




4.2.12 Score per residue for model 12

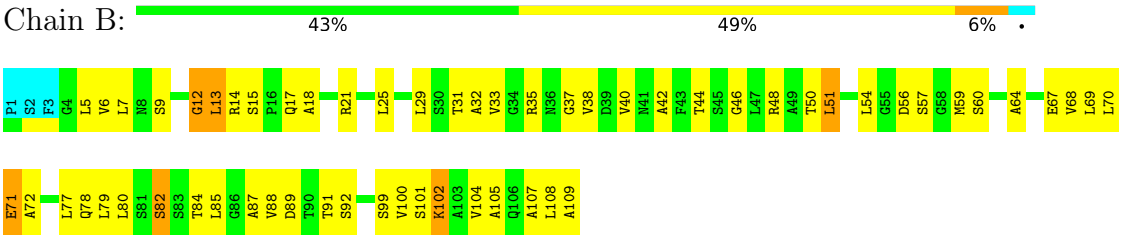
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

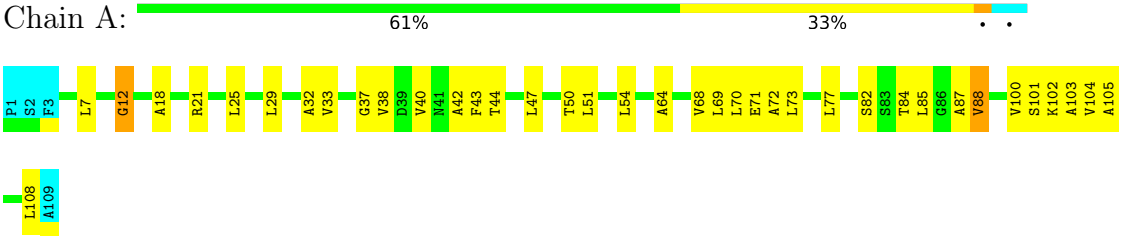
Chain B:



4.2.13 Score per residue for model 13

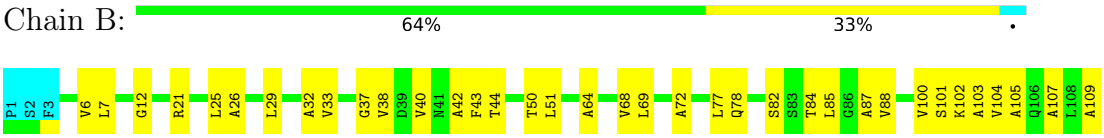
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

Chain B:



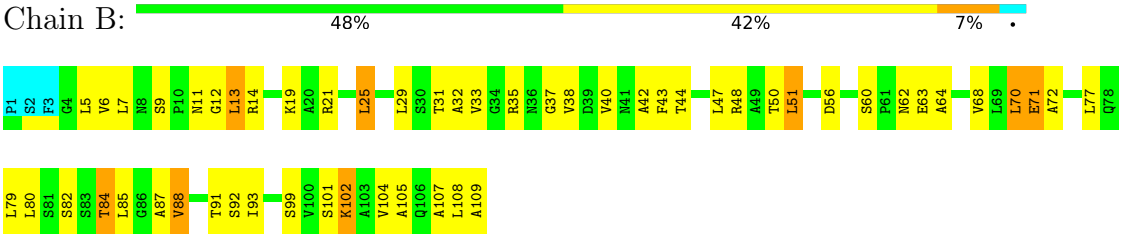
4.2.14 Score per residue for model 14 (medoid)

• Molecule 1: ACINIFORM SPIDROIN

Chain A:

• Molecule 1: ACINIFORM SPIDROIN

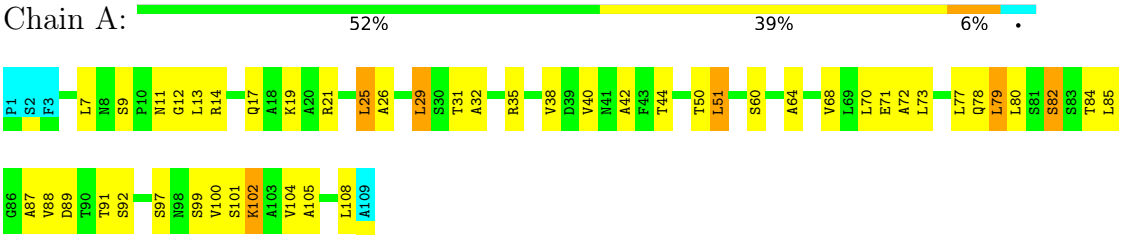
Chain B:



4.2.15 Score per residue for model 15

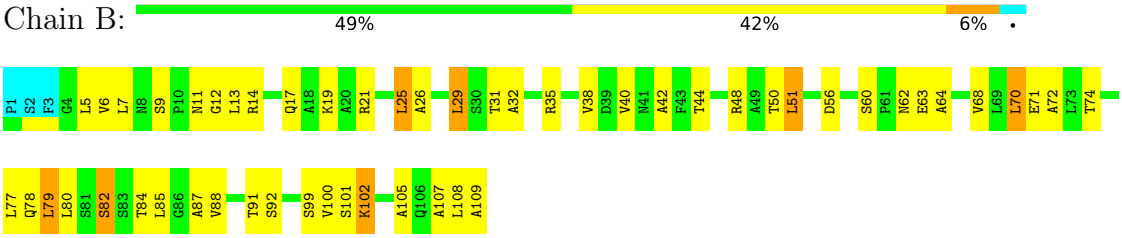
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

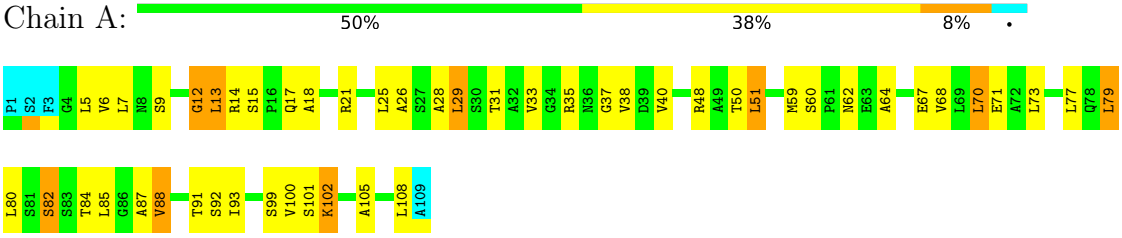
Chain B:



4.2.16 Score per residue for model 16

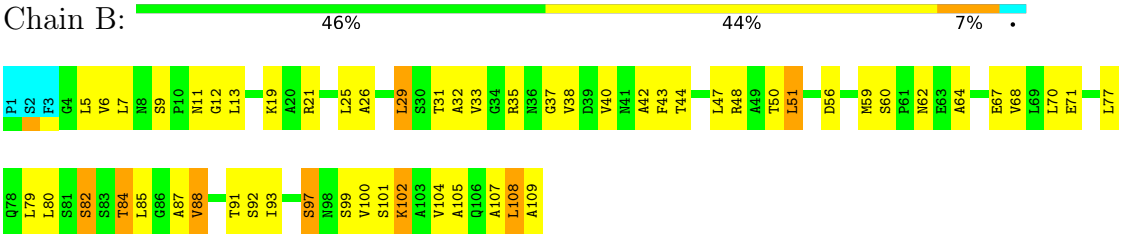
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

Chain B:



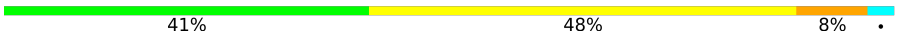
4.2.17 Score per residue for model 17

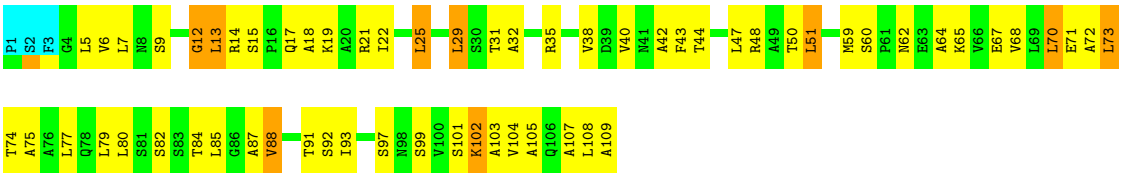
• Molecule 1: ACINIFORM SPIDROIN

Chain A:

• Molecule 1: ACINIFORM SPIDROIN

Chain B:





4.2.18 Score per residue for model 18

• Molecule 1: ACINIFORM SPIDROIN

Chain A:

• Molecule 1: ACINIFORM SPIDROIN

Chain B:

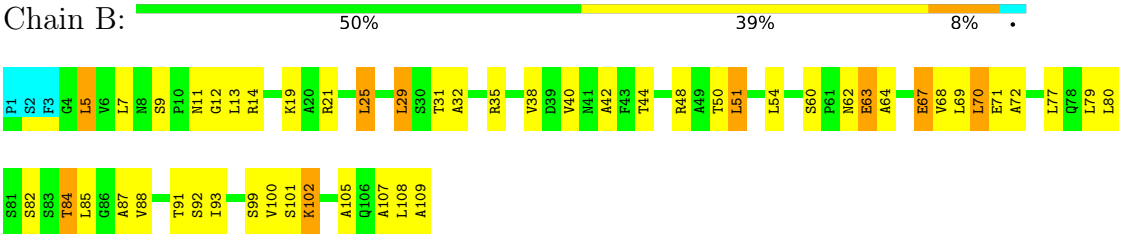
4.2.19 Score per residue for model 19

• Molecule 1: ACINIFORM SPIDROIN

Chain A:

• Molecule 1: ACINIFORM SPIDROIN

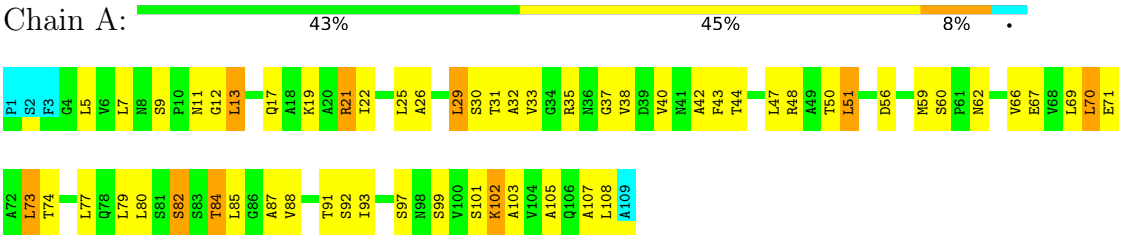
Chain B:



4.2.20 Score per residue for model 20

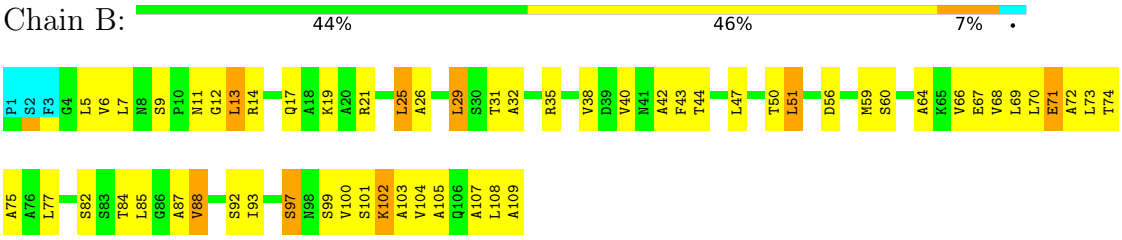
• Molecule 1: ACINIFORM SPIDROIN

Chain A:



• Molecule 1: ACINIFORM SPIDROIN

Chain B:



5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing*.

Of the 20 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CYANA	structure solution	
CYANA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1188
Number of shifts mapped to atoms	1188
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	44%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	733	761	761	36±5
1	B	738	766	766	37±3
All	All	29420	30540	30540	1111

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

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:32:ALA:HB2	1:B:42:ALA:HB3	0.85	1.46	8	20
1:A:32:ALA:HB2	1:A:42:ALA:HB3	0.84	1.49	11	18
1:B:33:VAL:HG22	1:B:38:VAL:HG23	0.74	1.60	5	1
1:A:104:VAL:HG21	1:B:70:LEU:HD21	0.69	1.62	15	8
1:A:87:ALA:HB3	1:B:82:SER:HB2	0.68	1.66	18	16
1:A:25:LEU:HD23	1:A:29:LEU:HD11	0.67	1.64	2	11
1:B:105:ALA:O	1:B:109:ALA:HB2	0.67	1.89	15	12
1:A:82:SER:HB2	1:B:87:ALA:HB3	0.67	1.66	7	12
1:A:105:ALA:HB2	1:B:7:LEU:CD1	0.67	2.20	4	15
1:B:25:LEU:HD23	1:B:29:LEU:HD11	0.66	1.66	10	10
1:A:33:VAL:HG13	1:A:37:GLY:O	0.65	1.91	17	18
1:A:7:LEU:CD1	1:B:105:ALA:HB2	0.65	2.22	13	8
1:B:33:VAL:HG13	1:B:37:GLY:O	0.65	1.92	18	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:87:ALA:HB3	1:B:82:SER:HB3	0.64	1.68	9	3
1:A:82:SER:CB	1:B:87:ALA:HB3	0.64	2.23	8	18
1:A:101:SER:OG	1:B:7:LEU:HD22	0.64	1.93	4	10
1:A:82:SER:HB3	1:B:87:ALA:HB3	0.64	1.69	19	4
1:A:70:LEU:HD21	1:B:104:VAL:HG21	0.63	1.68	14	6
1:A:87:ALA:HB3	1:B:82:SER:CB	0.61	2.25	1	19
1:B:105:ALA:HA	1:B:109:ALA:HB3	0.60	1.72	13	8
1:A:77:LEU:HD11	1:B:43:PHE:CE2	0.59	2.31	8	12
1:B:51:LEU:HD23	1:B:108:LEU:HD22	0.59	1.74	11	5
1:A:87:ALA:HB3	1:B:82:SER:OG	0.59	1.97	4	8
1:A:82:SER:OG	1:B:87:ALA:HB3	0.59	1.98	9	1
1:A:40:VAL:HG21	1:A:102:LYS:CD	0.59	2.28	18	20
1:A:50:THR:HG21	1:A:71:GLU:OE1	0.59	1.97	9	5
1:A:51:LEU:HD23	1:A:108:LEU:HD22	0.59	1.75	15	12
1:A:97:SER:CB	1:B:13:LEU:HD12	0.58	2.29	8	8
1:B:25:LEU:HD13	1:B:71:GLU:OE2	0.58	1.98	6	8
1:A:33:VAL:HG11	1:B:77:LEU:O	0.58	1.99	16	18
1:A:25:LEU:HD13	1:A:71:GLU:OE2	0.58	1.97	11	10
1:A:7:LEU:HD12	1:B:105:ALA:HB2	0.58	1.75	9	8
1:A:59:MET:HE1	1:A:67:GLU:HG3	0.57	1.75	18	4
1:B:40:VAL:HG21	1:B:102:LYS:CD	0.57	2.30	10	20
1:B:104:VAL:HG13	1:B:108:LEU:HD12	0.57	1.75	4	12
1:B:40:VAL:HG11	1:B:102:LYS:CG	0.56	2.29	10	20
1:A:97:SER:OG	1:B:74:THR:HG21	0.56	1.99	5	6
1:A:74:THR:HG21	1:B:97:SER:OG	0.56	2.00	2	1
1:B:47:LEU:HB3	1:B:108:LEU:HD21	0.56	1.77	8	6
1:A:104:VAL:CG2	1:B:70:LEU:HD21	0.56	2.30	15	4
1:B:59:MET:HE1	1:B:67:GLU:HG3	0.56	1.77	18	2
1:A:77:LEU:O	1:B:33:VAL:HG11	0.56	2.01	12	12
1:A:73:LEU:HD11	1:B:72:ALA:CB	0.56	2.31	3	10
1:A:32:ALA:HB2	1:A:42:ALA:CB	0.56	2.29	11	2
1:A:7:LEU:HD13	1:B:101:SER:OG	0.55	2.02	1	11
1:A:84:THR:C	1:A:85:LEU:HD23	0.55	2.27	3	20
1:B:88:VAL:HG13	1:B:88:VAL:O	0.55	2.01	18	7
1:A:88:VAL:HG13	1:A:88:VAL:O	0.55	2.01	10	4
1:A:70:LEU:HD21	1:B:104:VAL:CG2	0.55	2.32	14	2
1:A:40:VAL:HG11	1:A:102:LYS:CG	0.55	2.31	15	20
1:B:50:THR:HG21	1:B:71:GLU:OE1	0.55	2.02	5	2
1:A:5:LEU:HD11	1:A:63:GLU:OE1	0.55	2.02	18	1
1:A:43:PHE:CZ	1:A:100:VAL:HG12	0.54	2.38	6	1
1:A:21:ARG:HD2	1:A:50:THR:HG23	0.54	1.80	5	18

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:84:THR:C	1:B:85:LEU:HD23	0.54	2.27	6	20
1:A:40:VAL:HG21	1:A:102:LYS:HD3	0.54	1.79	16	19
1:A:101:SER:HB3	1:B:7:LEU:HD22	0.54	1.80	9	2
1:A:43:PHE:CE2	1:B:77:LEU:HD11	0.54	2.37	13	8
1:A:25:LEU:HD23	1:A:29:LEU:CD1	0.54	2.33	7	11
1:A:97:SER:HB2	1:B:13:LEU:HD22	0.54	1.80	6	1
1:B:40:VAL:HG13	1:B:103:ALA:HB2	0.53	1.78	18	11
1:A:25:LEU:HD22	1:A:72:ALA:HA	0.53	1.81	6	8
1:A:13:LEU:HD12	1:B:97:SER:HB2	0.53	1.81	1	3
1:A:64:ALA:O	1:A:68:VAL:HG13	0.53	2.04	9	16
1:A:104:VAL:HG13	1:A:108:LEU:HD12	0.53	1.81	19	13
1:A:50:THR:HG22	1:A:54:LEU:HD12	0.52	1.81	6	3
1:A:97:SER:HB2	1:B:13:LEU:HD12	0.52	1.79	8	1
1:B:25:LEU:HD23	1:B:29:LEU:CD1	0.52	2.35	4	9
1:B:32:ALA:CB	1:B:42:ALA:HB3	0.52	2.30	19	7
1:A:32:ALA:CB	1:A:42:ALA:HB3	0.52	2.31	11	2
1:B:32:ALA:HB2	1:B:42:ALA:CB	0.52	2.29	8	7
1:A:79:LEU:HD21	1:B:85:LEU:HB2	0.51	1.82	18	5
1:A:40:VAL:HG13	1:A:103:ALA:HB2	0.51	1.81	6	5
1:A:13:LEU:HD12	1:B:97:SER:CB	0.51	2.35	2	5
1:A:101:SER:CB	1:B:7:LEU:HD22	0.51	2.36	16	3
1:B:21:ARG:HD2	1:B:50:THR:HG23	0.51	1.83	16	19
1:A:105:ALA:HB2	1:B:7:LEU:HD12	0.51	1.82	10	10
1:B:44:THR:OG1	1:B:107:ALA:HB2	0.51	2.06	7	18
1:B:64:ALA:O	1:B:68:VAL:HG13	0.50	2.06	19	19
1:A:100:VAL:HB	1:B:70:LEU:HD23	0.50	1.82	17	2
1:B:64:ALA:O	1:B:68:VAL:HG22	0.50	2.06	10	11
1:A:72:ALA:CB	1:B:73:LEU:HD11	0.50	2.36	11	7
1:A:101:SER:OG	1:B:7:LEU:HD13	0.50	2.06	16	3
1:A:64:ALA:O	1:A:68:VAL:HG22	0.50	2.07	18	14
1:A:25:LEU:HD11	1:A:46:GLY:C	0.49	2.31	18	2
1:B:40:VAL:HG21	1:B:102:LYS:HD3	0.49	1.84	7	13
1:A:77:LEU:HD12	1:B:100:VAL:CG1	0.49	2.38	4	9
1:A:25:LEU:HD22	1:A:71:GLU:OE2	0.49	2.08	5	7
1:A:50:THR:HG22	1:A:68:VAL:HG12	0.49	1.84	5	1
1:A:7:LEU:HD22	1:B:101:SER:OG	0.49	2.08	8	6
1:A:26:ALA:HB1	1:B:88:VAL:HG23	0.49	1.84	20	7
1:A:100:VAL:CG1	1:B:77:LEU:HD12	0.48	2.38	11	15
1:B:25:LEU:HD22	1:B:72:ALA:HA	0.48	1.84	3	8
1:B:43:PHE:CE1	1:B:47:LEU:HD11	0.48	2.43	1	10
1:A:25:LEU:HD23	1:A:29:LEU:HD21	0.48	1.84	8	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:51:LEU:O	1:A:51:LEU:HD13	0.48	2.09	20	20
1:B:51:LEU:O	1:B:51:LEU:HD13	0.48	2.09	15	20
1:B:33:VAL:HG22	1:B:38:VAL:CG2	0.48	2.37	5	1
1:A:47:LEU:HB3	1:A:108:LEU:HD21	0.48	1.84	8	3
1:A:78:GLN:OE1	1:B:88:VAL:HG23	0.48	2.09	18	1
1:A:88:VAL:HG23	1:B:26:ALA:HB1	0.48	1.85	18	5
1:B:25:LEU:HD22	1:B:71:GLU:OE2	0.47	2.08	9	3
1:B:26:ALA:HA	1:B:75:ALA:HB1	0.47	1.86	20	2
1:B:84:THR:O	1:B:85:LEU:C	0.47	2.58	3	20
1:A:73:LEU:HD11	1:B:72:ALA:HB1	0.47	1.86	20	2
1:A:73:LEU:HD11	1:B:72:ALA:HB3	0.47	1.85	3	3
1:A:100:VAL:HG23	1:B:13:LEU:CD1	0.47	2.40	6	1
1:A:12:GLY:O	1:A:18:ALA:HB2	0.47	2.09	16	7
1:A:40:VAL:O	1:A:44:THR:HG22	0.46	2.10	7	13
1:A:43:PHE:CE1	1:A:47:LEU:HD11	0.46	2.45	6	7
1:A:30:SER:OG	1:B:85:LEU:HD12	0.46	2.10	20	1
1:A:100:VAL:HG23	1:B:13:LEU:HD13	0.46	1.88	6	1
1:A:84:THR:O	1:A:85:LEU:C	0.46	2.58	2	20
1:A:72:ALA:HB1	1:B:73:LEU:HD11	0.46	1.86	8	4
1:B:25:LEU:HD11	1:B:46:GLY:C	0.46	2.36	7	4
1:A:50:THR:CG2	1:A:68:VAL:HG12	0.46	2.40	5	1
1:B:40:VAL:O	1:B:44:THR:HG22	0.46	2.11	7	7
1:B:26:ALA:N	1:B:75:ALA:HB1	0.45	2.25	8	1
1:A:70:LEU:HD23	1:B:100:VAL:HB	0.45	1.87	16	3
1:B:54:LEU:HD13	1:B:67:GLU:HG3	0.45	1.87	19	2
1:B:12:GLY:O	1:B:18:ALA:HB2	0.45	2.11	12	2
1:B:105:ALA:CA	1:B:109:ALA:HB3	0.45	2.42	6	3
1:A:7:LEU:HD22	1:B:101:SER:HB3	0.45	1.87	15	1
1:A:22:ILE:HD13	1:A:74:THR:HG21	0.44	1.89	19	3
1:A:77:LEU:HD11	1:B:43:PHE:HE2	0.44	1.72	8	2
1:A:85:LEU:HD12	1:B:30:SER:OG	0.44	2.13	3	1
1:B:19:LYS:HA	1:B:22:ILE:HD12	0.44	1.89	11	1
1:B:43:PHE:HE1	1:B:47:LEU:HD11	0.44	1.71	8	7
1:A:44:THR:OG1	1:A:107:ALA:HB2	0.44	2.12	17	3
1:A:104:VAL:HG21	1:B:70:LEU:CD2	0.44	2.42	19	2
1:B:59:MET:HE1	1:B:67:GLU:CD	0.44	2.38	12	3
1:A:7:LEU:HD13	1:B:101:SER:O	0.43	2.14	12	1
1:A:50:THR:HG22	1:A:54:LEU:CD1	0.43	2.44	13	1
1:B:25:LEU:HD23	1:B:29:LEU:HD21	0.43	1.90	18	4
1:B:26:ALA:HB2	1:B:78:GLN:OE1	0.43	2.13	8	2
1:A:26:ALA:HB2	1:A:78:GLN:OE1	0.43	2.13	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:21:ARG:HG2	1:A:50:THR:HG23	0.43	1.89	20	1
1:A:21:ARG:NH2	1:A:54:LEU:HD21	0.43	2.28	5	1
1:A:28:ALA:O	1:A:31:THR:HG22	0.43	2.14	5	3
1:A:29:LEU:HD23	1:A:29:LEU:N	0.43	2.29	6	5
1:B:26:ALA:CA	1:B:75:ALA:HB1	0.43	2.43	20	1
1:B:25:LEU:CD2	1:B:29:LEU:HD21	0.43	2.44	13	3
1:A:66:VAL:HA	1:A:69:LEU:HD12	0.43	1.91	20	4
1:B:22:ILE:HG23	1:B:75:ALA:HB2	0.43	1.91	17	1
1:A:104:VAL:HG11	1:B:70:LEU:HD11	0.42	1.89	10	1
1:B:66:VAL:HA	1:B:69:LEU:HD12	0.42	1.91	8	4
1:A:43:PHE:HE1	1:A:47:LEU:HD11	0.42	1.72	6	5
1:A:6:VAL:HG23	1:A:7:LEU:N	0.41	2.30	17	1
1:A:85:LEU:HB2	1:B:79:LEU:HD21	0.41	1.91	15	2
1:A:96:THR:HB	1:B:74:THR:HG23	0.41	1.91	17	1
1:A:22:ILE:HG23	1:A:75:ALA:HB2	0.41	1.91	1	1
1:B:5:LEU:HD12	1:B:63:GLU:OE1	0.41	2.15	19	1
1:A:59:MET:HE1	1:A:67:GLU:OE2	0.41	2.16	20	1
1:B:29:LEU:HD23	1:B:29:LEU:N	0.41	2.31	5	2
1:A:6:VAL:HG12	1:A:63:GLU:HB3	0.41	1.90	17	1
1:B:68:VAL:CG2	1:B:108:LEU:HD13	0.41	2.46	7	1
1:A:25:LEU:CD2	1:A:29:LEU:HD21	0.41	2.46	8	2
1:A:19:LYS:HA	1:A:22:ILE:HD12	0.41	1.93	9	1
1:A:26:ALA:O	1:A:79:LEU:HD13	0.41	2.16	15	1
1:B:50:THR:HG22	1:B:54:LEU:HD12	0.40	1.93	12	1
1:B:11:ASN:CG	1:B:57:SER:HB2	0.40	2.41	11	1
1:B:26:ALA:O	1:B:79:LEU:HD13	0.40	2.16	15	1
1:A:50:THR:HG21	1:A:71:GLU:CD	0.40	2.41	3	1
1:A:29:LEU:N	1:A:29:LEU:HD23	0.40	2.31	9	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	105/109 (96%)	91±15 (87±15%)	8±1 (7±1%)	3±1 (3±1%)	6	42

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	B	105/109 (96%)	95±1 (91±1%)	7±1 (7±1%)	3±0 (2±0%)	6 43
All	All	4125/4360 (95%)	3721 (90%)	298 (7%)	106 (3%)	6 42

All 6 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	B	12	GLY	20
1	A	12	GLY	19
1	A	38	VAL	19
1	B	38	VAL	19
1	A	88	VAL	16
1	B	88	VAL	13

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	81/84 (96%)	51±17 (62±21%)	21±7 (26±9%)	2 23
1	B	62/84 (74%)	47±17 (76±28%)	22±8 (36±13%)	1 9
All	All	2809/3360 (84%)	1950 (69%)	859 (31%)	1 16

All 77 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	29	LEU	18
1	A	51	LEU	18
1	A	70	LEU	18
1	A	79	LEU	18
1	A	80	LEU	18
1	A	82	SER	18
1	A	102	LYS	18
1	B	29	LEU	18
1	B	31	THR	18
1	B	35	ARG	18

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Mol	Chain	Res	Type	Models (Total)
1	B	70	LEU	18
1	B	71	GLU	18
1	B	102	LYS	18
1	A	13	LEU	17
1	A	60	SER	17
1	A	71	GLU	17
1	A	92	SER	17
1	B	19	LYS	17
1	B	51	LEU	17
1	B	60	SER	17
1	B	92	SER	17
1	A	35	ARG	17
1	A	11	ASN	16
1	A	48	ARG	16
1	B	9	SER	16
1	B	13	LEU	16
1	B	14	ARG	16
1	B	48	ARG	16
1	B	79	LEU	16
1	B	80	LEU	16
1	B	91	THR	16
1	B	99	SER	16
1	A	9	SER	16
1	A	19	LYS	15
1	A	25	LEU	15
1	B	62	ASN	15
1	A	31	THR	14
1	A	91	THR	14
1	B	5	LEU	14
1	B	11	ASN	14
1	A	17	GLN	14
1	B	56	ASP	14
1	B	25	LEU	13
1	A	99	SER	12
1	A	84	THR	11
1	B	84	THR	10
1	B	93	ILE	10
1	A	93	ILE	9
1	B	82	SER	9
1	A	14	ARG	9
1	B	73	LEU	8
1	B	17	GLN	8

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Mol	Chain	Res	Type	Models (Total)
1	A	5	LEU	8
1	A	78	GLN	7
1	A	62	ASN	7
1	B	97	SER	6
1	A	73	LEU	5
1	A	97	SER	4
1	A	63	GLU	3
1	B	108	LEU	3
1	B	78	GLN	3
1	B	63	GLU	3
1	A	21	ARG	2
1	A	56	ASP	2
1	B	67	GLU	2
1	B	15	SER	2
1	A	53	ASN	1
1	B	33	VAL	1
1	A	38	VAL	1
1	A	101	SER	1
1	B	96	THR	1
1	B	57	SER	1
1	B	89	ASP	1
1	A	89	ASP	1
1	A	15	SER	1
1	B	65	LYS	1
1	B	101	SER	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 44% for the well-defined parts and 44% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1188
Number of shifts mapped to atoms	1188
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	4

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	109	-0.76 ± 0.09	Should be checked
$^{13}C_{\beta}$	100	-0.07 ± 0.13	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	105	0.06 ± 0.16	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 44%, i.e. 1147 atoms were assigned a chemical shift out of a possible 2619. 0 out of 52 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	422/1061 (40%)	215/434 (50%)	105/422 (25%)	102/205 (50%)
Sidechain	717/1538 (47%)	492/1019 (48%)	209/465 (45%)	16/54 (30%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	8/20 (40%)	5/10 (50%)	3/10 (30%)	0/0 (—%)
Overall	1147/2619 (44%)	712/1463 (49%)	317/897 (35%)	118/259 (46%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 44%, i.e. 1188 atoms were assigned a chemical shift out of a possible 2704. 0 out of 52 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	436/1092 (40%)	222/446 (50%)	109/436 (25%)	105/210 (50%)
Sidechain	736/1572 (47%)	505/1042 (48%)	215/476 (45%)	16/54 (30%)
Aromatic	16/40 (40%)	10/20 (50%)	6/20 (30%)	0/0 (—%)
Overall	1188/2704 (44%)	737/1508 (49%)	330/932 (35%)	121/264 (46%)

7.1.4 Statistically unusual chemical shifts (i)

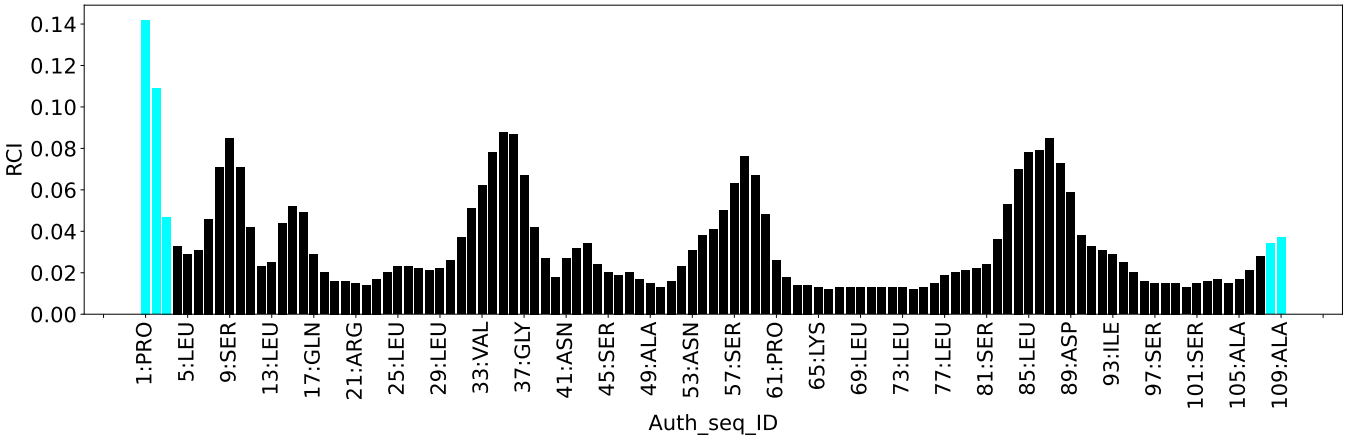
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	67	GLU	CG	26.64	30.20 – 42.01	-8.0
1	A	71	GLU	CG	27.96	30.20 – 42.01	-6.9
1	A	78	GLN	CG	27.50	28.36 – 39.21	-5.8
1	A	63	GLU	CG	30.12	30.20 – 42.01	-5.1

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
1:PRO
5:LEU
9:SER
13:LEU
17:GLN
21:ARG
25:LEU
29:LEU
33:VAL
37:GLY
41:ASN
45:SER
49:ALA
53:ASN
57:SER
61:PRO
65:LYS
69:LEU
73:LEU
77:LEU
81:SER
85:LEU
89:ASP
93:ILE
97:SER
101:SER
105:ALA
109:ALA
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	7747
Intra-residue (|i-j|=0)	77
Sequential (|i-j|=1)	2355
Medium range (|i-j|>1 and |i-j|<5)	3036
Long range (|i-j|≥5)	1781
Inter-chain	498
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	294
Number of unmapped restraints	0
Number of restraints per residue	36.9
Number of long range restraints per residue[1]	8.2

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	175.4	0.2
0.2-0.5 (Medium)	67.0	0.5
>0.5 (Large)	270.6	26.73

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	67.3	6.07
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

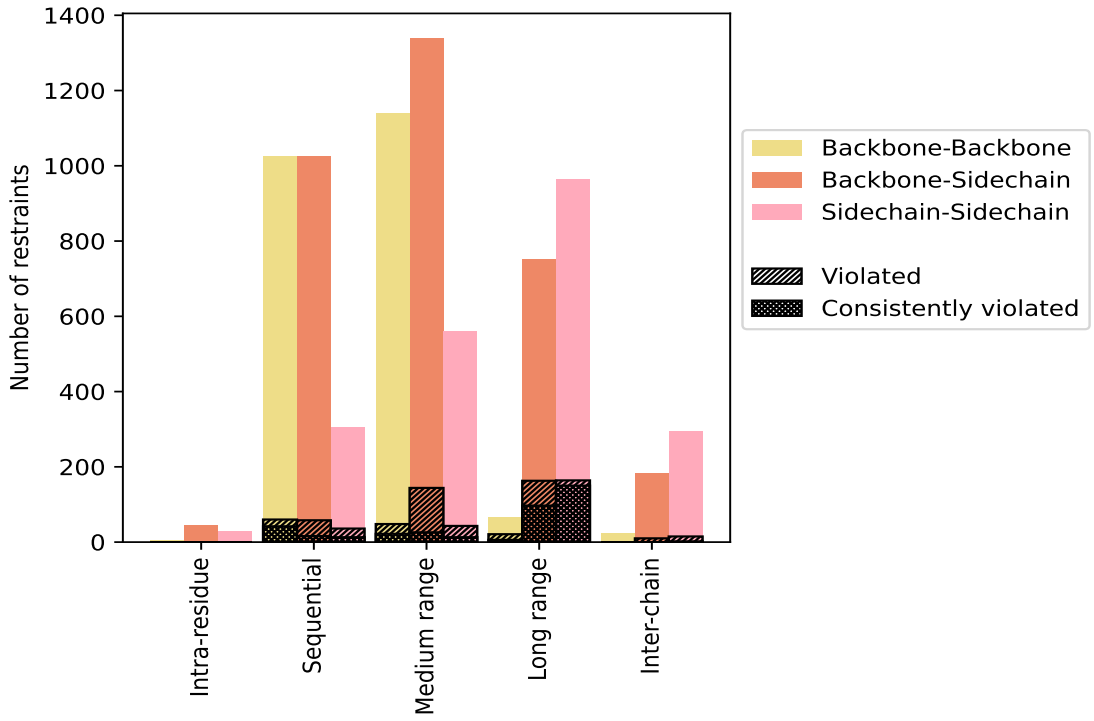
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	77	1.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	4	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	45	0.6	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	28	0.4	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	2355	30.4	154	6.5	2.0	71	3.0	0.9
Backbone-Backbone	1026	13.2	60	5.8	0.8	42	4.1	0.5
Backbone-Sidechain	1025	13.2	58	5.7	0.7	16	1.6	0.2
Sidechain-Sidechain	304	3.9	36	11.8	0.5	13	4.3	0.2
Medium range (|i-j|>1 & |i-j|<5)	3036	39.2	235	7.7	3.0	61	2.0	0.8
Backbone-Backbone	1139	14.7	48	4.2	0.6	22	1.9	0.3
Backbone-Sidechain	1338	17.3	144	10.8	1.9	26	1.9	0.3
Sidechain-Sidechain	559	7.2	43	7.7	0.6	13	2.3	0.2
Long range (|i-j|≥5)	1781	23.0	348	19.5	4.5	253	14.2	3.3
Backbone-Backbone	66	0.9	21	31.8	0.3	6	9.1	0.1
Backbone-Sidechain	750	9.7	163	21.7	2.1	97	12.9	1.3
Sidechain-Sidechain	965	12.5	164	17.0	2.1	150	15.5	1.9
Inter-chain	498	6.4	25	5.0	0.3	2	0.4	0.0
Backbone-Backbone	22	0.3	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	182	2.3	10	5.5	0.1	0	0.0	0.0
Sidechain-Sidechain	294	3.8	15	5.1	0.2	2	0.7	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	7747	100.0	762	9.8	9.8	387	5.0	5.0
Backbone-Backbone	2257	29.1	129	5.7	1.7	70	3.1	0.9
Backbone-Sidechain	3340	43.1	375	11.2	4.8	139	4.2	1.8
Sidechain-Sidechain	2150	27.8	258	12.0	3.3	178	8.3	2.3

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	0	99	137	278	10	524	5.59	26.67	7.05	0.62
2	0	98	141	273	9	521	5.61	26.72	7.04	0.65
3	0	94	135	279	12	520	5.59	26.54	7.01	0.68
4	0	101	133	283	16	533	5.47	26.46	6.97	0.56
5	0	98	132	289	9	528	5.5	26.53	6.99	0.57
6	0	91	120	283	8	502	5.81	26.63	7.11	0.94
7	0	101	127	281	14	523	5.58	26.65	7.03	0.67
8	0	99	138	289	8	534	5.47	26.58	6.99	0.5
9	0	105	127	288	11	531	5.46	26.4	6.96	0.52
10	0	99	134	282	12	527	5.56	26.66	7.03	0.64

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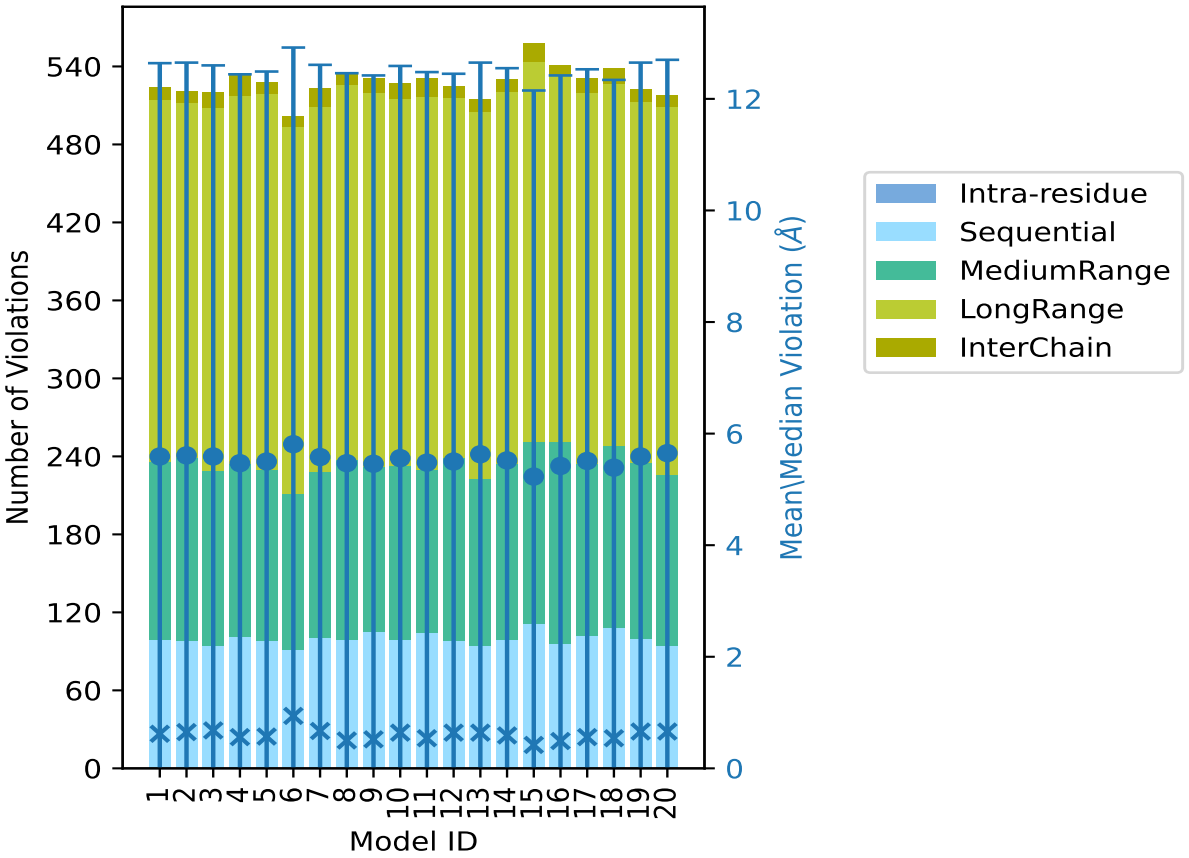
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	0	104	126	287	14	531	5.48	26.68	7.0	0.54
12	0	98	141	277	9	525	5.5	26.54	6.95	0.64
13	0	94	129	282	10	515	5.63	26.54	7.02	0.64
14	0	99	135	286	10	530	5.52	26.7	7.03	0.59
15	0	111	140	293	14	558	5.23	26.61	6.92	0.42
16	0	96	155	283	7	541	5.42	26.71	7.0	0.49
17	0	102	132	286	11	531	5.51	26.71	7.02	0.56
18	0	108	140	279	12	539	5.39	26.53	6.95	0.54
19	0	100	135	278	10	523	5.59	26.73	7.06	0.66
20	0	94	132	283	9	518	5.65	26.55	7.05	0.66

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints, [5]Inter-chain restraints, [6]Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model



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

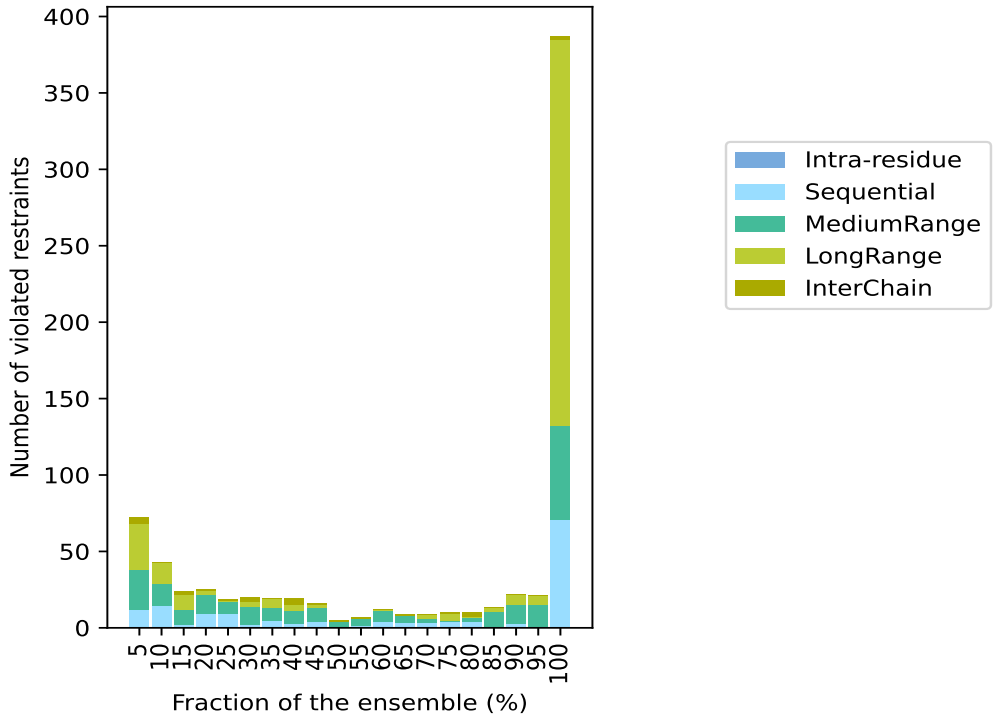
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 6985(IR:77, SQ:2201, MR:2801, LR:1433, IC:473) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
0	12	26	30	4	72	1	5.0
0	14	15	14	0	43	2	10.0
0	2	10	10	2	24	3	15.0
0	9	13	2	1	25	4	20.0
0	9	8	1	1	19	5	25.0
0	2	12	3	3	20	6	30.0
0	5	8	6	0	19	7	35.0
0	3	8	4	4	19	8	40.0
0	4	9	2	1	16	9	45.0
0	0	4	0	1	5	10	50.0
0	1	5	0	1	7	11	55.0
0	4	7	1	0	12	12	60.0
0	3	5	0	1	9	13	65.0
0	3	3	3	0	9	14	70.0
0	4	1	4	1	10	15	75.0
0	4	3	0	3	10	16	80.0
0	0	11	2	0	13	17	85.0
0	3	12	7	0	22	18	90.0
0	1	14	6	0	21	19	95.0
0	71	61	253	2	387	20	100.0

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints, [5]Inter-chain restraints, [6] Number of models with violations

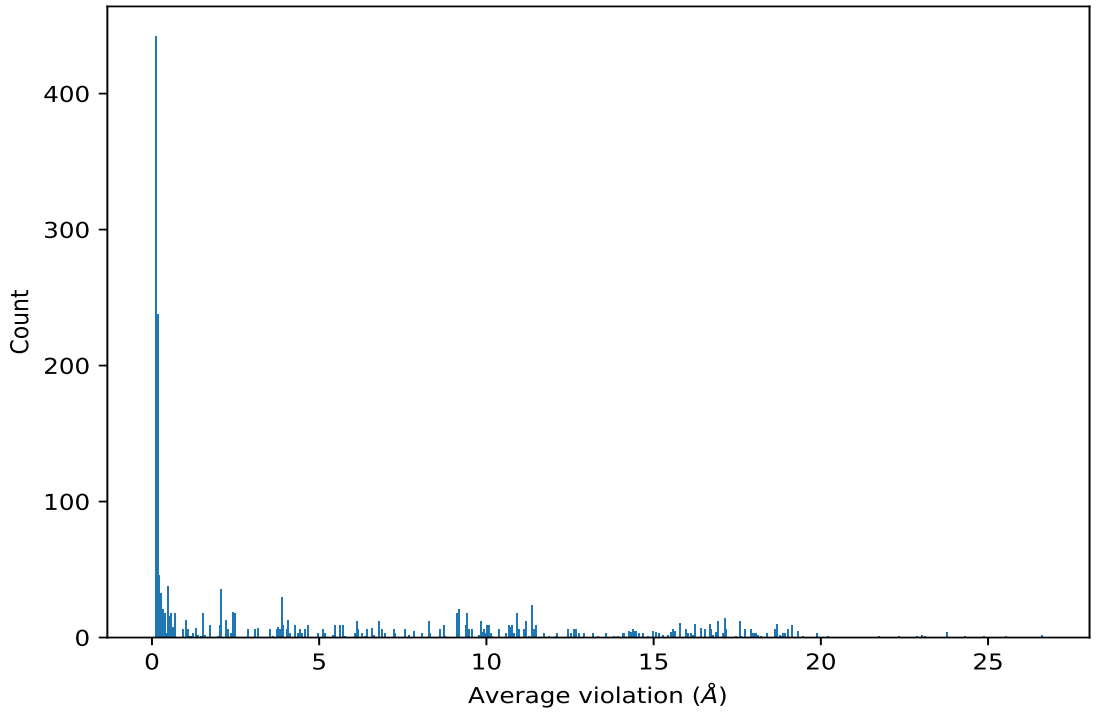
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	20	26.61	0.09	26.62
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	20	26.61	0.09	26.62
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	20	25.54	0.11	25.55
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	20	24.88	0.11	24.88
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	20	24.33	0.09	24.33
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	20	23.79	0.29	23.8
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	20	23.79	0.29	23.8
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	20	23.76	0.18	23.82
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	20	23.76	0.18	23.82
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	20	23.12	0.09	23.14
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	20	23.0	0.17	23.06
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	20	23.0	0.17	23.06
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	20	22.89	0.09	22.9
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	20	22.34	0.06	22.35
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	20	21.73	0.08	21.74
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	20	20.23	0.08	20.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	20	19.87	0.09	19.87
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	20	19.87	0.09	19.87
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	20	19.87	0.09	19.87
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	20	19.48	0.1	19.5
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	20	19.34	0.1	19.34
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	20	19.32	0.4	19.57
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	20	19.31	0.11	19.33
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	20	19.31	0.11	19.33
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	20	19.31	0.11	19.33
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	20	19.14	0.13	19.16
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	20	19.14	0.13	19.16
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	20	19.14	0.13	19.16
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	20	19.11	0.1	19.11
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	20	19.11	0.1	19.11
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	20	19.11	0.1	19.11
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	20	19.1	0.08	19.11
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	20	19.1	0.08	19.11
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	20	19.1	0.08	19.11
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	20	19.03	0.11	19.05
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	20	19.03	0.11	19.05
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	20	19.03	0.11	19.05
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	20	19.01	0.14	19.04
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	20	19.01	0.14	19.04
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	20	19.01	0.14	19.04
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	20	18.9	0.08	18.91
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	20	18.9	0.08	18.91
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	20	18.9	0.08	18.91
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	20	18.89	0.09	18.9
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	20	18.89	0.09	18.9
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	20	18.89	0.09	18.9
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	20	18.83	0.09	18.82
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	20	18.78	0.3	18.78
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	20	18.78	0.3	18.78
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	20	18.68	0.21	18.72
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	20	18.67	0.11	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	20	18.67	0.11	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	20	18.67	0.11	18.69
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	20	18.67	0.11	18.69
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	20	18.67	0.11	18.69
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	20	18.67	0.11	18.69
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	20	18.67	0.11	18.69
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	20	18.67	0.11	18.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	20	18.67	0.11	18.69
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	20	18.63	0.22	18.66
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	20	18.63	0.22	18.66
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	20	18.63	0.22	18.66
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	20	18.63	0.22	18.66
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	20	18.63	0.22	18.66
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	20	18.63	0.22	18.66
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	20	18.37	0.1	18.38
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	20	18.37	0.1	18.38
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	20	18.37	0.1	18.38
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	20	18.2	0.25	18.32
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	20	18.11	0.29	18.1
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	20	18.11	0.29	18.1
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	20	18.05	0.11	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	20	18.05	0.11	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	20	18.05	0.11	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	20	18.04	0.11	18.06
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	20	18.04	0.11	18.06
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	20	18.04	0.11	18.06
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	20	17.97	0.1	17.98
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	20	17.97	0.1	17.98
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	20	17.97	0.1	17.98
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	20	17.93	0.1	17.92
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	20	17.93	0.1	17.92
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	20	17.93	0.1	17.92
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	20	17.93	0.1	17.92
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	20	17.93	0.1	17.92
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	20	17.93	0.1	17.92
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	20	17.73	0.1	17.73
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	20	17.73	0.1	17.73
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	20	17.73	0.1	17.73
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	20	17.73	0.1	17.73
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	20	17.73	0.1	17.73
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	20	17.73	0.1	17.73
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	20	17.61	0.38	17.76
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	20	17.55	0.16	17.6
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	20	17.55	0.16	17.6
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	20	17.55	0.16	17.6
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	20	17.55	0.16	17.6
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	20	17.55	0.16	17.6
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	20	17.55	0.16	17.6
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	20	17.55	0.16	17.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	20	17.55	0.16	17.6
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	20	17.55	0.16	17.6
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	20	17.55	0.16	17.6
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	20	17.55	0.16	17.6
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	20	17.55	0.16	17.6
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	20	17.45	0.07	17.44
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	20	17.19	0.23	17.22
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	20	17.19	0.23	17.22
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	20	17.19	0.13	17.17
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	20	17.17	0.09	17.18
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	20	17.17	0.09	17.18
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	20	17.17	0.09	17.18
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	20	17.11	0.83	17.55
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	20	17.11	0.83	17.55
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	20	17.1	0.1	17.1
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	20	17.1	0.1	17.1
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	20	17.1	0.1	17.1
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	20	17.1	0.1	17.1
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	20	17.1	0.1	17.1
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	20	17.1	0.1	17.1
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	20	17.1	0.08	17.12
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	20	17.1	0.08	17.12
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	20	17.1	0.08	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	20	17.1	0.08	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	20	17.1	0.08	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	20	17.1	0.08	17.12
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	20	17.07	0.08	17.07
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	20	17.07	0.08	17.07
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	20	17.07	0.08	17.07
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	20	16.94	0.07	16.94
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	20	16.94	0.07	16.94
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	20	16.94	0.07	16.94
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	20	16.94	0.07	16.94
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	20	16.94	0.07	16.94
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	20	16.94	0.07	16.94
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	20	16.94	0.07	16.94
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	20	16.94	0.07	16.94
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	20	16.94	0.07	16.94
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	20	16.91	0.09	16.9
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	20	16.91	0.09	16.9
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	20	16.91	0.09	16.9
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	20	16.85	0.26	16.87

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	20	16.85	0.26	16.87
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	20	16.85	0.26	16.87
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	20	16.85	0.26	16.87
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	20	16.77	0.27	16.93
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	20	16.77	0.27	16.93
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	20	16.74	0.09	16.75
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	20	16.74	0.09	16.75
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	20	16.74	0.09	16.75
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	20	16.74	0.09	16.75
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	20	16.74	0.09	16.75
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	20	16.74	0.09	16.75
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	20	16.66	0.16	16.69
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	20	16.66	0.16	16.69
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	20	16.66	0.16	16.69
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	20	16.66	0.16	16.69
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	20	16.66	0.16	16.69
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	20	16.66	0.16	16.69
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	20	16.65	0.26	16.66
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	20	16.65	0.26	16.66
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	20	16.65	0.26	16.66
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	20	16.65	0.26	16.66
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	20	16.54	0.11	16.56
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	20	16.54	0.11	16.56
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	20	16.54	0.11	16.56
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	20	16.54	0.11	16.56
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	20	16.54	0.11	16.56
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	20	16.54	0.11	16.56
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	20	16.43	0.65	16.7
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	20	16.43	0.65	16.7
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	20	16.43	0.65	16.7
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	20	16.43	0.65	16.7
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	20	16.41	0.11	16.42
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	20	16.41	0.11	16.42
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	20	16.41	0.11	16.42
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	20	16.23	0.65	16.51
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	20	16.23	0.65	16.51
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	20	16.23	0.65	16.51
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	20	16.23	0.65	16.51
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	20	16.22	0.08	16.22
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	20	16.22	0.08	16.22
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	20	16.22	0.08	16.22
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	20	16.22	0.06	16.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	20	16.22	0.06	16.22
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	20	16.22	0.06	16.22
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	20	16.18	0.08	16.18
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	20	16.18	0.08	16.18
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	20	16.12	0.08	16.13
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	20	16.12	0.08	16.13
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	20	16.12	0.08	16.13
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	20	16.02	0.08	16.02
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	20	16.02	0.08	16.02
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	20	16.02	0.08	16.02
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	20	15.96	0.07	15.96
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	20	15.96	0.07	15.96
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	20	15.96	0.07	15.96
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	20	15.96	0.07	15.96
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	20	15.96	0.07	15.96
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	20	15.96	0.07	15.96
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	20	15.79	0.08	15.79
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	20	15.79	0.08	15.79
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	20	15.79	0.08	15.79
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	20	15.79	0.08	15.79
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	20	15.79	0.08	15.79
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	20	15.79	0.08	15.79
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	20	15.79	0.08	15.79
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	20	15.79	0.08	15.79
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	20	15.79	0.08	15.79
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	20	15.75	0.25	15.82
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	20	15.75	0.25	15.82
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	20	15.64	0.46	15.56
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	20	15.64	0.46	15.56
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	20	15.6	0.09	15.6
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	20	15.6	0.09	15.6
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	20	15.6	0.09	15.6
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	20	15.55	0.07	15.54
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	20	15.55	0.07	15.54
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	20	15.55	0.07	15.54
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	20	15.55	0.07	15.54
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	20	15.55	0.07	15.54
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	20	15.55	0.07	15.54
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	20	15.53	0.06	15.55
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	20	15.51	0.09	15.52
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	20	15.51	0.09	15.52
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	20	15.51	0.09	15.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	20	15.41	0.4	15.58
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	20	15.4	0.18	15.4
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	20	15.27	0.05	15.27
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	20	15.27	0.05	15.27
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	20	15.18	0.12	15.18
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	20	15.18	0.12	15.18
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	20	15.18	0.12	15.18
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	20	15.08	0.09	15.08
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	20	15.08	0.09	15.08
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	20	15.08	0.09	15.08
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	20	15.06	0.05	15.07
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	20	14.99	0.08	14.99
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	20	14.99	0.08	14.99
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	20	14.99	0.08	14.99
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	20	14.95	0.47	15.23
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	20	14.95	0.47	15.23
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	20	14.81	0.38	14.98
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	20	14.68	0.09	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	20	14.68	0.09	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	20	14.68	0.09	14.68
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	20	14.59	0.08	14.6
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	20	14.59	0.08	14.6
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	20	14.59	0.08	14.6
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	20	14.48	0.37	14.32
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	20	14.48	0.37	14.32
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	20	14.48	0.37	14.32
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	20	14.46	0.15	14.46
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	20	14.46	0.15	14.46
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	20	14.44	0.08	14.46
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	20	14.41	0.2	14.42
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	20	14.41	0.2	14.42
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	20	14.41	0.2	14.42
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	20	14.4	0.23	14.3
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	20	14.36	0.07	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	20	14.36	0.07	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	20	14.36	0.07	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	20	14.36	0.07	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	20	14.36	0.07	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	20	14.36	0.07	14.36
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	20	14.33	0.4	14.46
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	20	14.33	0.4	14.46
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	20	14.33	0.4	14.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	20	14.33	0.4	14.46
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	20	14.28	0.13	14.28
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	20	14.28	0.13	14.28
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	20	14.26	0.4	14.12
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	20	14.26	0.4	14.12
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	20	14.26	0.4	14.12
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	20	14.1	0.24	14.22
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	20	14.1	0.24	14.22
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	20	14.1	0.24	14.22
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	20	14.06	0.05	14.06
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	20	14.06	0.05	14.06
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	20	14.06	0.05	14.06
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	20	13.91	0.41	13.88
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	20	13.84	0.07	13.84
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	20	13.56	0.16	13.58
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	20	13.56	0.16	13.58
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	20	13.56	0.16	13.58
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	20	13.32	0.13	13.34
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	20	13.16	0.39	13.39
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	20	13.16	0.39	13.39
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	20	13.16	0.39	13.39
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	20	12.91	0.07	12.9
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	20	12.91	0.07	12.9
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	20	12.91	0.07	12.9
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	20	12.75	0.18	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	20	12.75	0.18	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	20	12.75	0.18	12.75
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	20	12.65	0.09	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	20	12.65	0.09	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	20	12.65	0.09	12.67
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	20	12.65	0.39	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	20	12.65	0.39	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	20	12.65	0.39	12.46
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	20	12.64	0.18	12.65
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	20	12.64	0.18	12.65
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	20	12.64	0.18	12.65
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	20	12.63	0.18	12.68
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	20	12.63	0.18	12.68
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	20	12.63	0.18	12.68
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	20	12.52	0.06	12.53
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	20	12.52	0.06	12.53
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	20	12.52	0.06	12.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	20	12.44	0.09	12.44
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	20	12.44	0.09	12.44
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	20	12.44	0.09	12.44
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	20	12.4	0.09	12.4
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	20	12.4	0.09	12.4
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	20	12.4	0.09	12.4
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	20	12.1	0.07	12.1
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	20	12.1	0.07	12.1
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	20	12.1	0.07	12.1
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	20	12.06	0.11	12.07
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	20	11.86	0.14	11.88
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	20	11.74	0.17	11.74
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	20	11.74	0.17	11.74
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	20	11.74	0.17	11.74
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	20	11.46	0.06	11.47
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	20	11.46	0.06	11.47
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	20	11.46	0.06	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	20	11.45	0.05	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	20	11.45	0.05	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	20	11.45	0.05	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	20	11.45	0.05	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	20	11.45	0.05	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	20	11.45	0.05	11.46
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	20	11.4	0.06	11.4
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	20	11.4	0.06	11.4
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	20	11.4	0.06	11.4
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	20	11.4	0.06	11.4
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	20	11.4	0.06	11.4
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	20	11.4	0.06	11.4
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	20	11.39	0.08	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	20	11.39	0.08	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	20	11.39	0.08	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	20	11.39	0.08	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	20	11.39	0.08	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	20	11.39	0.08	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	20	11.39	0.08	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	20	11.39	0.08	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	20	11.39	0.08	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	20	11.39	0.08	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	20	11.39	0.08	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	20	11.39	0.08	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	20	11.39	0.08	11.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	20	11.39	0.08	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	20	11.39	0.08	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	20	11.39	0.08	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	20	11.39	0.08	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	20	11.39	0.08	11.37
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	20	11.37	0.13	11.4
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	20	11.37	0.13	11.4
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	20	11.37	0.13	11.4
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	20	11.37	0.24	11.44
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	20	11.37	0.24	11.44
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	20	11.37	0.24	11.44
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	20	11.28	0.25	11.38
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	20	11.17	0.26	11.1
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	20	11.17	0.26	11.1
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	20	11.17	0.26	11.1
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	20	11.17	0.26	11.1
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	20	11.17	0.26	11.1
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	20	11.17	0.26	11.1
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	20	11.17	0.26	11.1
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	20	11.17	0.26	11.1
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	20	11.17	0.26	11.1
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	20	11.17	0.26	11.1
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	20	11.17	0.26	11.1
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	20	11.17	0.26	11.1
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	20	11.11	0.09	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	20	11.11	0.09	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	20	11.11	0.09	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	20	11.11	0.09	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	20	11.11	0.09	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	20	11.11	0.09	11.13
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	20	10.96	0.27	11.02
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	20	10.96	0.27	11.02
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	20	10.96	0.27	11.02
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	20	10.96	0.27	11.02
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	20	10.96	0.27	11.02
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	20	10.96	0.27	11.02
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	20	10.9	0.17	10.92
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	20	10.9	0.17	10.92
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	20	10.9	0.17	10.92
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	20	10.9	0.17	10.92
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	20	10.9	0.17	10.92
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	20	10.9	0.17	10.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	20	10.9	0.17	10.92
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	20	10.9	0.17	10.92
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	20	10.9	0.17	10.92
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	20	10.9	0.17	10.92
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	20	10.84	0.1	10.84
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	20	10.84	0.1	10.84
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	20	10.84	0.1	10.84
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	20	10.76	0.27	10.82
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	20	10.76	0.27	10.82
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	20	10.76	0.27	10.82
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	20	10.76	0.27	10.82
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	20	10.76	0.27	10.82
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	20	10.76	0.27	10.82
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	20	10.75	0.19	10.76
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	20	10.75	0.19	10.76
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	20	10.75	0.19	10.76
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	20	10.73	0.19	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	20	10.73	0.19	10.74
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	20	10.72	0.31	10.82
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	20	10.72	0.31	10.82
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	20	10.72	0.31	10.82
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	20	10.7	0.07	10.7
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	20	10.7	0.07	10.7
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	20	10.7	0.07	10.7
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	20	10.68	0.09	10.69
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	20	10.68	0.09	10.69
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	20	10.68	0.09	10.69
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	20	10.68	0.09	10.69
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	20	10.68	0.09	10.69
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	20	10.68	0.09	10.69
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	20	10.68	0.09	10.69
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	20	10.68	0.09	10.69
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	20	10.68	0.09	10.69
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	20	10.55	0.19	10.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	20	10.55	0.19	10.56
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	20	10.55	0.19	10.56
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	20	10.38	0.28	10.3
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	20	10.38	0.28	10.3
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	20	10.38	0.28	10.3
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	20	10.38	0.28	10.3
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	20	10.38	0.28	10.3
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	20	10.38	0.28	10.3
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	20	10.18	0.1	10.2
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	20	10.11	0.1	10.11
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	20	10.11	0.1	10.11
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	20	10.11	0.1	10.11
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	20	10.09	0.33	9.97
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	20	10.09	0.33	9.97
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	20	10.09	0.33	9.97
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	20	10.09	0.33	9.97
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	20	10.09	0.33	9.97
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	20	10.09	0.33	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	20	10.09	0.33	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	20	10.09	0.33	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	20	10.09	0.33	9.97
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	20	10.01	0.08	10.02
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	20	10.01	0.08	10.02
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	20	10.01	0.08	10.02
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	20	10.01	0.08	10.02
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	20	10.01	0.08	10.02
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	20	10.01	0.08	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	20	10.01	0.08	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	20	10.01	0.08	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	20	10.01	0.08	10.02
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	20	9.98	0.19	10.05
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	20	9.98	0.19	10.05
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	20	9.98	0.19	10.05
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	20	9.94	0.19	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	20	9.94	0.19	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	20	9.94	0.19	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	20	9.94	0.19	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	20	9.94	0.19	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	20	9.94	0.19	9.98
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	20	9.86	0.55	10.16
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	20	9.86	0.55	10.16
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	20	9.86	0.55	10.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	20	9.86	0.55	10.16
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	20	9.81	0.47	9.6
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	20	9.81	0.47	9.6
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	20	9.81	0.47	9.6
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	20	9.81	0.47	9.6
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	20	9.81	0.47	9.6
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	20	9.81	0.47	9.6
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	20	9.81	0.47	9.6
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	20	9.81	0.47	9.6
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	20	9.81	0.47	9.6
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	20	9.81	0.47	9.6
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	20	9.81	0.47	9.6
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	20	9.81	0.47	9.6
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	20	9.75	0.19	9.8
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	20	9.75	0.19	9.8
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	20	9.59	0.19	9.59
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	20	9.59	0.19	9.59
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	20	9.59	0.19	9.59
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	20	9.59	0.19	9.59
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	20	9.59	0.19	9.59
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	20	9.59	0.19	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	20	9.49	0.15	9.56
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	20	9.49	0.15	9.56
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	20	9.49	0.15	9.56
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	20	9.49	0.15	9.56
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	20	9.49	0.15	9.56
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	20	9.49	0.15	9.56
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	20	9.41	0.09	9.41
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	20	9.41	0.09	9.41
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	20	9.41	0.09	9.41
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	20	9.41	0.09	9.41
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	20	9.41	0.09	9.41
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	20	9.41	0.09	9.41
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	20	9.41	0.09	9.41
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	20	9.41	0.09	9.41
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	20	9.41	0.09	9.41
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	20	9.41	0.09	9.41
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	20	9.41	0.09	9.41
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	20	9.41	0.09	9.41
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	20	9.41	0.09	9.41
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	20	9.41	0.09	9.41
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	20	9.41	0.09	9.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	20	9.41	0.09	9.41
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	20	9.41	0.09	9.41
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	20	9.41	0.09	9.41
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	20	9.35	0.05	9.34
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	20	9.35	0.05	9.34
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	20	9.35	0.05	9.34
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	20	9.35	0.05	9.34
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	20	9.35	0.05	9.34
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	20	9.35	0.05	9.34
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	20	9.35	0.05	9.34
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	20	9.35	0.05	9.34
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	20	9.35	0.05	9.34
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	20	9.19	0.06	9.18
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	20	9.19	0.06	9.18
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	20	9.19	0.06	9.18
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	20	9.19	0.06	9.18
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	20	9.19	0.06	9.18
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	20	9.19	0.06	9.18
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	20	9.19	0.06	9.18
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	20	9.19	0.06	9.18
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	20	9.19	0.06	9.18
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	20	9.15	0.08	9.14
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	20	9.15	0.08	9.14
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	20	9.15	0.08	9.14
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	20	9.15	0.05	9.14
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	20	9.15	0.05	9.14
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	20	9.15	0.05	9.14
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	20	9.15	0.05	9.14
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	20	9.15	0.05	9.14
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	20	9.15	0.05	9.14
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	20	9.15	0.05	9.14
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	20	9.15	0.05	9.14
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	20	9.15	0.05	9.14
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	20	9.1	0.1	9.09

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	20	9.1	0.1	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	20	9.1	0.1	9.09
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	20	8.77	0.35	8.68
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	20	8.74	0.11	8.76
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	20	8.74	0.11	8.76
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	20	8.74	0.11	8.76
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	20	8.74	0.11	8.76
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	20	8.74	0.11	8.76
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	20	8.74	0.11	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	20	8.74	0.11	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	20	8.74	0.11	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	20	8.74	0.11	8.76
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	20	8.61	0.05	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	20	8.61	0.05	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	20	8.61	0.05	8.6
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	20	8.61	0.05	8.6
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	20	8.61	0.05	8.6
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	20	8.61	0.05	8.6
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	20	8.3	0.06	8.3
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	20	8.3	0.06	8.3
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	20	8.3	0.06	8.3
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	20	8.25	0.11	8.25
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	20	8.25	0.11	8.25
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	20	8.07	0.07	8.08
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	20	8.07	0.07	8.08

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	20	8.07	0.07	8.08
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	20	7.83	0.11	7.84
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	20	7.83	0.11	7.84
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	20	7.83	0.11	7.84
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	20	7.8	0.35	7.92
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	20	7.8	0.35	7.92
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	20	7.67	0.11	7.7
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	20	7.67	0.11	7.7
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	20	7.58	0.07	7.58
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	20	7.58	0.07	7.58
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	20	7.58	0.07	7.58
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	20	7.56	0.49	7.24
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	20	7.56	0.49	7.24
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	20	7.56	0.49	7.24
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	20	7.27	0.2	7.32
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	20	7.27	0.2	7.32
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	20	7.27	0.2	7.32
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	20	7.2	0.04	7.2
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	20	7.2	0.04	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	20	7.2	0.04	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	20	7.2	0.04	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	20	7.2	0.04	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	20	7.2	0.04	7.2
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	20	6.98	0.06	6.98
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	20	6.98	0.06	6.98
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	20	6.98	0.06	6.98
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	20	6.86	0.55	6.63
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	20	6.86	0.55	6.63
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	20	6.86	0.55	6.63
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	20	6.86	0.55	6.63
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	20	6.86	0.55	6.63
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	20	6.86	0.55	6.63
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	20	6.79	0.18	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	20	6.79	0.18	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	20	6.79	0.18	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	20	6.79	0.18	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	20	6.79	0.18	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	20	6.79	0.18	6.86
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	20	6.77	0.06	6.76
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	20	6.77	0.06	6.76
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	20	6.77	0.06	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	20	6.75	0.07	6.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	20	6.75	0.07	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	20	6.75	0.07	6.76
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	20	6.62	0.14	6.66
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	20	6.62	0.14	6.66
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	20	6.59	0.12	6.54
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	20	6.59	0.12	6.54
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	20	6.59	0.12	6.54
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	20	6.59	0.12	6.54
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	20	6.57	0.06	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	20	6.57	0.06	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	20	6.57	0.06	6.56
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	20	6.41	0.18	6.48
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	20	6.41	0.18	6.48
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	20	6.41	0.18	6.48
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	20	6.41	0.18	6.48
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	20	6.41	0.18	6.48
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	20	6.41	0.18	6.48
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	20	6.36	0.08	6.38
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	20	6.26	0.05	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	20	6.26	0.05	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	20	6.26	0.05	6.26
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	20	6.17	0.18	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	20	6.17	0.18	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	20	6.17	0.18	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	20	6.17	0.18	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	20	6.17	0.18	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	20	6.17	0.18	6.19
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	20	6.13	0.05	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	20	6.13	0.05	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	20	6.13	0.05	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	20	6.13	0.05	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	20	6.13	0.05	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	20	6.13	0.05	6.13
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	20	6.1	0.1	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	20	6.1	0.1	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	20	6.1	0.1	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	20	6.1	0.1	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	20	6.1	0.1	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	20	6.1	0.1	6.12
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	20	6.08	0.16	6.06
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	20	6.08	0.16	6.06
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	20	6.08	0.16	6.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	20	5.77	0.91	6.2
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	20	5.7	0.14	5.68
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	20	5.7	0.14	5.68
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	20	5.7	0.14	5.68
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	20	5.7	0.14	5.68
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	20	5.7	0.14	5.68
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	20	5.7	0.14	5.68
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	20	5.7	0.14	5.68
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	20	5.7	0.14	5.68
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	20	5.7	0.14	5.68
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	20	5.63	0.09	5.64
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	20	5.63	0.09	5.64
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	20	5.63	0.09	5.64
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	20	5.63	0.09	5.64
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	20	5.63	0.09	5.64
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	20	5.63	0.09	5.64
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	20	5.63	0.09	5.64
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	20	5.63	0.09	5.64
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	20	5.63	0.09	5.64
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	20	5.45	0.15	5.46
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	20	5.45	0.15	5.46
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	20	5.45	0.15	5.46
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	20	5.45	0.15	5.46
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	20	5.45	0.15	5.46
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	20	5.45	0.15	5.46
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	20	5.45	0.15	5.46
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	20	5.45	0.15	5.46
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	20	5.45	0.15	5.46
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	20	5.41	0.11	5.4
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	20	5.41	0.11	5.4
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	20	5.17	0.2	5.16
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	20	5.17	0.2	5.16
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	20	5.17	0.2	5.16
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	20	5.12	0.33	5.21
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	20	5.12	0.33	5.21
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	20	5.1	0.22	5.11
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	20	5.1	0.22	5.11
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	20	5.1	0.22	5.11
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	20	5.1	0.22	5.11
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	20	4.99	0.07	4.97
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	20	4.99	0.07	4.97
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	20	4.99	0.07	4.97

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	20	4.69	0.16	4.65
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	20	4.69	0.16	4.65
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	20	4.69	0.16	4.65
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	20	4.65	0.1	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	20	4.65	0.1	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	20	4.65	0.1	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	20	4.65	0.1	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	20	4.65	0.1	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	20	4.65	0.1	4.69
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	20	4.58	0.07	4.58
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	20	4.58	0.07	4.58
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	20	4.58	0.07	4.58
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	20	4.56	0.07	4.54
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	20	4.56	0.07	4.54
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	20	4.56	0.07	4.54
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	20	4.48	0.04	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	20	4.48	0.04	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	20	4.48	0.04	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	20	4.41	0.19	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	20	4.41	0.19	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	20	4.41	0.19	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	20	4.41	0.19	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	20	4.41	0.19	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	20	4.41	0.19	4.48
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	20	4.36	0.07	4.34
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	20	4.36	0.07	4.34
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	20	4.36	0.07	4.34
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	20	4.27	0.08	4.28
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	20	4.27	0.08	4.28
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	20	4.27	0.08	4.28
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	20	4.27	0.08	4.28
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	20	4.27	0.08	4.28
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	20	4.27	0.08	4.28
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	20	4.27	0.08	4.28
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	20	4.27	0.08	4.28
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	20	4.27	0.08	4.28
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	20	4.13	0.11	4.16
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	20	4.13	0.11	4.16
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	20	4.13	0.11	4.16
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	20	4.09	0.26	4.1
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	20	4.09	0.26	4.1
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	20	4.09	0.26	4.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	20	4.09	0.26	4.1
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	20	4.09	0.26	4.1
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	20	4.09	0.26	4.1
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	20	4.07	0.27	3.94
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	20	4.07	0.27	3.94
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	20	4.07	0.27	3.94
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	20	4.07	0.27	3.94
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	20	4.07	0.11	4.11
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	20	4.07	0.11	4.11
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	20	4.07	0.11	4.11
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	20	4.04	0.08	4.06
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	20	4.04	0.08	4.06
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	20	4.04	0.08	4.06
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	20	4.04	0.08	4.06
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	20	4.04	0.08	4.06
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	20	4.04	0.08	4.06
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	20	3.93	0.1	3.91
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	20	3.93	0.1	3.91
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	20	3.93	0.1	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	20	3.93	0.1	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	20	3.93	0.1	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	20	3.93	0.1	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	20	3.93	0.1	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	20	3.93	0.1	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	20	3.93	0.1	3.91
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	20	3.87	0.09	3.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	20	3.87	0.09	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	20	3.87	0.09	3.88
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	20	3.86	0.17	3.92
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	20	3.86	0.17	3.92
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	20	3.86	0.17	3.92
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	20	3.84	0.08	3.86
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	20	3.84	0.08	3.86
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	20	3.84	0.08	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	20	3.84	0.08	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	20	3.84	0.08	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	20	3.84	0.08	3.86
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	20	3.79	0.14	3.76
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	20	3.79	0.14	3.76
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	20	3.79	0.14	3.76
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	20	3.79	0.14	3.76
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	20	3.79	0.14	3.76
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	20	3.79	0.14	3.76
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	20	3.76	0.23	3.8
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	20	3.76	0.23	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	20	3.72	0.16	3.71
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	20	3.72	0.16	3.71
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	20	3.72	0.16	3.71
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	20	3.72	0.16	3.71
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	20	3.72	0.16	3.71
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	20	3.72	0.16	3.71
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	20	3.63	0.04	3.62
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	20	3.53	0.08	3.55
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	20	3.53	0.08	3.55
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	20	3.53	0.08	3.55
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	20	3.53	0.08	3.55
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	20	3.53	0.08	3.55
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	20	3.53	0.08	3.55
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	20	3.18	0.11	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	20	3.18	0.11	3.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	20	3.18	0.11	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	20	3.18	0.11	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	20	3.18	0.11	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	20	3.18	0.11	3.22
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	20	3.17	0.06	3.14
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	20	3.06	0.14	3.11
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	20	3.06	0.14	3.11
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	20	3.06	0.14	3.11
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	20	3.06	0.14	3.11
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	20	3.06	0.14	3.11
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	20	3.06	0.14	3.11
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	20	2.89	0.29	2.97
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	20	2.89	0.29	2.97
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	20	2.89	0.29	2.97
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	20	2.89	0.29	2.97
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	20	2.89	0.29	2.97
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	20	2.89	0.29	2.97
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	20	2.47	0.06	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	20	2.47	0.06	2.48
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	20	2.42	0.07	2.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	20	2.42	0.07	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	20	2.42	0.07	2.42
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	20	2.41	0.07	2.41
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	20	2.38	0.03	2.39
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	20	2.38	0.03	2.39
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	20	2.38	0.03	2.39
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	20	2.27	0.08	2.28
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	20	2.27	0.08	2.28
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	20	2.27	0.08	2.28
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	20	2.27	0.08	2.28
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	20	2.27	0.08	2.28
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	20	2.27	0.08	2.28
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	20	2.24	0.07	2.26
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	20	2.24	0.07	2.26
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	20	2.24	0.07	2.26
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	20	2.24	0.07	2.26
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	20	2.24	0.07	2.24
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	20	2.24	0.07	2.24
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	20	2.24	0.07	2.24
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	20	2.24	0.07	2.24
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	20	2.24	0.07	2.24
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	20	2.24	0.07	2.24
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	20	2.24	0.07	2.24
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	20	2.24	0.07	2.24
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	20	2.24	0.07	2.24
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	20	2.07	0.06	2.08

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	20	2.07	0.06	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	20	2.07	0.06	2.08
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	20	2.01	0.08	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	20	2.01	0.08	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	20	2.01	0.08	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	20	2.01	0.08	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	20	2.01	0.08	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	20	2.01	0.08	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	20	2.01	0.08	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	20	2.01	0.08	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	20	2.01	0.08	1.98
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	20	1.95	0.03	1.95
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	20	1.74	0.09	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	20	1.74	0.09	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	20	1.74	0.09	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	20	1.74	0.09	1.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	20	1.74	0.09	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	20	1.74	0.09	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	20	1.74	0.09	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	20	1.74	0.09	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	20	1.74	0.09	1.78
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	20	1.58	0.24	1.54
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	20	1.58	0.24	1.54
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	20	1.52	0.07	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	20	1.52	0.07	1.5
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	20	1.47	0.03	1.47
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	20	1.39	0.33	1.38
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	20	1.39	0.33	1.38
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	20	1.31	0.01	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	20	1.31	0.01	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	20	1.31	0.01	1.31
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	20	1.3	0.35	1.25
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	20	1.3	0.35	1.25
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	20	1.3	0.35	1.25
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	20	1.3	0.35	1.25
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	20	1.23	0.1	1.21
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	20	1.23	0.1	1.21
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	20	1.23	0.1	1.21
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	20	1.16	0.02	1.16
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	20	1.1	0.04	1.1
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	20	1.07	0.15	1.06
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	20	1.07	0.15	1.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	20	1.07	0.15	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	20	1.05	0.07	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	20	1.05	0.07	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	20	1.05	0.07	1.08
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	20	1.03	0.1	1.01
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	20	1.03	0.1	1.01
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	20	1.03	0.1	1.01
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	20	1.03	0.1	1.01
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	20	1.03	0.1	1.01
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	20	1.03	0.1	1.01
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	20	1.02	0.08	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	20	1.02	0.08	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	20	1.02	0.08	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	20	1.02	0.08	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	20	1.02	0.08	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	20	1.02	0.08	1.07
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	20	0.9	0.25	1.03
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	20	0.9	0.25	1.03
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	20	0.9	0.25	1.03
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	20	0.9	0.25	1.03
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	20	0.9	0.25	1.03
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	20	0.9	0.25	1.03
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	20	0.67	0.02	0.66
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	20	0.67	0.02	0.66
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	20	0.67	0.02	0.66
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	20	0.67	0.07	0.66
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	20	0.67	0.07	0.66
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	20	0.67	0.07	0.66
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	20	0.67	0.07	0.66
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	20	0.67	0.07	0.66
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	20	0.67	0.07	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	20	0.66	0.05	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	20	0.66	0.05	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	20	0.66	0.05	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	20	0.66	0.05	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	20	0.66	0.05	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	20	0.66	0.05	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	20	0.66	0.05	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	20	0.66	0.05	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	20	0.66	0.05	0.66
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	20	0.64	0.08	0.64
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	20	0.64	0.08	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	20	0.64	0.08	0.64
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	20	0.62	0.13	0.66
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	20	0.62	0.13	0.66
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	20	0.62	0.07	0.62
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	20	0.62	0.07	0.62
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	20	0.62	0.07	0.62
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	20	0.59	0.09	0.58
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	20	0.59	0.09	0.58
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	20	0.59	0.09	0.58
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	20	0.59	0.09	0.58
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	20	0.59	0.09	0.58
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	20	0.59	0.09	0.58
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	20	0.58	0.19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	20	0.58	0.19	0.68
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	20	0.53	0.08	0.5
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	20	0.53	0.08	0.5
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	20	0.53	0.08	0.5
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	20	0.52	0.03	0.52
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	20	0.52	0.03	0.52
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	20	0.52	0.03	0.52
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	20	0.52	0.03	0.52
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	20	0.52	0.03	0.52
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	20	0.52	0.03	0.52
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	20	0.52	0.03	0.52
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	20	0.52	0.03	0.52
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	20	0.52	0.03	0.52
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	20	0.52	0.03	0.52
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	20	0.52	0.03	0.52
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	20	0.52	0.03	0.52
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	20	0.51	0.2	0.64
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	20	0.49	0.24	0.67
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	20	0.49	0.24	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	20	0.47	0.08	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	20	0.47	0.08	0.48
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	20	0.46	0.04	0.46
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	20	0.46	0.04	0.46
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	20	0.46	0.04	0.46
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	20	0.46	0.04	0.46
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	20	0.46	0.04	0.46
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	20	0.46	0.04	0.46
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	20	0.46	0.04	0.46
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	20	0.46	0.04	0.46
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	20	0.46	0.04	0.46
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	20	0.46	0.05	0.46
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	20	0.46	0.05	0.46
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	20	0.46	0.05	0.46
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	20	0.46	0.05	0.46
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	20	0.46	0.05	0.46
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	20	0.46	0.05	0.46
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	20	0.42	0.08	0.4
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG23	20	0.42	0.08	0.4
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG22	20	0.42	0.08	0.4
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	20	0.38	0.03	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	20	0.38	0.02	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	20	0.38	0.02	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	20	0.38	0.02	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	20	0.38	0.02	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	20	0.38	0.02	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	20	0.38	0.02	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	20	0.37	0.01	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	20	0.37	0.01	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	20	0.37	0.01	0.37
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	20	0.35	0.06	0.34
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	20	0.35	0.06	0.34
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG22	20	0.35	0.09	0.34
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	20	0.35	0.09	0.34
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HB	20	0.35	0.09	0.34
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG21	20	0.35	0.09	0.34
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	20	0.35	0.03	0.34
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	20	0.35	0.03	0.34
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	20	0.34	0.06	0.34
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	20	0.34	0.06	0.34
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	20	0.32	0.02	0.32
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	20	0.32	0.02	0.32
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	20	0.31	0.02	0.32
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	20	0.31	0.02	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	20	0.31	0.01	0.32
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	20	0.3	0.03	0.3
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	20	0.3	0.04	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	20	0.3	0.04	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	20	0.3	0.04	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	20	0.3	0.04	0.29
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	20	0.29	0.02	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	20	0.29	0.02	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	20	0.29	0.02	0.3
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	20	0.29	0.03	0.28
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	20	0.29	0.03	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	20	0.28	0.0	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	20	0.28	0.01	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	20	0.28	0.01	0.28
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	20	0.27	0.03	0.27
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	20	0.27	0.03	0.26
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	20	0.27	0.03	0.26
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	20	0.27	0.03	0.26
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	20	0.26	0.03	0.27
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	20	0.26	0.03	0.27
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	20	0.26	0.03	0.27
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	20	0.26	0.03	0.27
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	20	0.26	0.03	0.27
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	20	0.26	0.03	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	20	0.26	0.02	0.27
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	20	0.26	0.03	0.26
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	20	0.26	0.03	0.26
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	20	0.25	0.03	0.25
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	20	0.25	0.03	0.25
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	20	0.23	0.03	0.22
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	20	0.23	0.03	0.22
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	20	0.23	0.03	0.22
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	20	0.23	0.03	0.22
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	20	0.22	0.01	0.22
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	20	0.21	0.02	0.22
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	20	0.21	0.02	0.22
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	20	0.21	0.02	0.22
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	20	0.21	0.02	0.22
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	20	0.21	0.01	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	20	0.21	0.01	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	20	0.21	0.01	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	20	0.21	0.02	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	20	0.21	0.02	0.22
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	20	0.21	0.01	0.21
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	20	0.21	0.01	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	20	0.21	0.01	0.2
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	20	0.2	0.03	0.18
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	20	0.2	0.0	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	20	0.2	0.0	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	20	0.2	0.0	0.2
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	20	0.18	0.01	0.18
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	20	0.18	0.01	0.18
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	20	0.18	0.01	0.18
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	20	0.17	0.01	0.17
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	20	0.17	0.01	0.17
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	20	0.17	0.01	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	20	0.17	0.01	0.17
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	20	0.17	0.01	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	20	0.17	0.01	0.16
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	20	0.17	0.03	0.18
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	20	0.17	0.01	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	20	0.17	0.01	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	20	0.17	0.01	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	20	0.17	0.01	0.16
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	20	0.17	0.02	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	20	0.17	0.01	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	20	0.17	0.01	0.17
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	20	0.17	0.02	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	20	0.17	0.02	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	20	0.17	0.02	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	20	0.17	0.02	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	20	0.17	0.02	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	20	0.17	0.02	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	20	0.17	0.02	0.16
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	20	0.16	0.02	0.16
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	20	0.16	0.02	0.16
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	20	0.16	0.02	0.17
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	20	0.16	0.02	0.17
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	20	0.16	0.02	0.16
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	20	0.16	0.02	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	20	0.16	0.02	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	20	0.16	0.02	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	20	0.16	0.02	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	20	0.16	0.02	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	20	0.16	0.02	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	20	0.16	0.02	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	20	0.16	0.01	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	20	0.16	0.03	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	20	0.16	0.03	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	20	0.16	0.03	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	20	0.16	0.03	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	20	0.16	0.03	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	20	0.16	0.03	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	20	0.16	0.03	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	20	0.16	0.03	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	20	0.16	0.03	0.16
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	20	0.16	0.01	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	20	0.15	0.02	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	20	0.15	0.02	0.16
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	20	0.15	0.02	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	20	0.15	0.01	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	20	0.15	0.01	0.15
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	20	0.15	0.02	0.15
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	20	0.15	0.02	0.15
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	20	0.15	0.01	0.15
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	20	0.15	0.02	0.15
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	20	0.15	0.01	0.15
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	20	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	20	0.15	0.02	0.15
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	20	0.15	0.02	0.14
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	20	0.15	0.02	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	20	0.15	0.01	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	20	0.15	0.01	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	20	0.15	0.01	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	20	0.15	0.01	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	20	0.14	0.02	0.14
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	20	0.14	0.02	0.14
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	20	0.14	0.01	0.14
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	20	0.13	0.02	0.12
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	20	0.13	0.02	0.12
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	20	0.13	0.01	0.13
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	20	0.13	0.01	0.13
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	20	0.13	0.01	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	20	0.13	0.01	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	20	0.13	0.01	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	20	0.13	0.01	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	20	0.12	0.02	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	20	0.12	0.02	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	20	0.12	0.02	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	20	0.12	0.02	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	20	0.12	0.02	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	20	0.12	0.02	0.12
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	19	1.02	0.63	1.07
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	19	0.47	0.16	0.48
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	19	0.22	0.04	0.23
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	19	0.22	0.04	0.23
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	19	0.16	0.01	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	19	0.16	0.01	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	19	0.16	0.01	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	19	0.16	0.01	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	19	0.16	0.01	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	19	0.16	0.01	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	19	0.16	0.01	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	19	0.16	0.01	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	19	0.16	0.01	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	19	0.16	0.01	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	19	0.16	0.01	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	19	0.16	0.01	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	19	0.16	0.01	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	19	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	19	0.16	0.01	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	19	0.16	0.01	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	19	0.16	0.01	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	19	0.16	0.01	0.16
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	19	0.16	0.03	0.16
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	19	0.16	0.02	0.15
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	19	0.16	0.02	0.15
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	19	0.16	0.02	0.15
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	19	0.15	0.04	0.14
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	19	0.15	0.04	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	19	0.14	0.02	0.14
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	19	0.14	0.04	0.12
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	19	0.14	0.02	0.14
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	19	0.14	0.02	0.14
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	19	0.14	0.02	0.14
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	19	0.13	0.01	0.13
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	19	0.13	0.01	0.13
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	19	0.13	0.01	0.13
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	19	0.12	0.02	0.13
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	19	0.12	0.02	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	19	0.12	0.01	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	19	0.12	0.01	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	19	0.12	0.01	0.12
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	19	0.12	0.01	0.11
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	18	0.48	0.13	0.46
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	18	0.48	0.13	0.46
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	18	0.17	0.06	0.16
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	18	0.15	0.03	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	18	0.15	0.03	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	18	0.15	0.03	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	18	0.15	0.03	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	18	0.15	0.03	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	18	0.15	0.03	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	18	0.15	0.03	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	18	0.15	0.03	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	18	0.15	0.03	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	18	0.15	0.03	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	18	0.15	0.03	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	18	0.15	0.03	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	18	0.15	0.03	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	18	0.15	0.03	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	18	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	18	0.15	0.03	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	18	0.15	0.03	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	18	0.15	0.03	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	18	0.15	0.03	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	18	0.15	0.02	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	18	0.15	0.02	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	18	0.15	0.02	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	18	0.15	0.02	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	18	0.15	0.02	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	18	0.15	0.02	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	18	0.15	0.02	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	18	0.15	0.02	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	18	0.15	0.02	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	18	0.15	0.02	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	18	0.15	0.02	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	18	0.15	0.02	0.14
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	18	0.14	0.02	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	18	0.14	0.02	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	18	0.14	0.02	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	18	0.14	0.02	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	18	0.14	0.02	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	18	0.14	0.02	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	18	0.14	0.01	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	18	0.14	0.01	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	18	0.14	0.01	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	18	0.14	0.01	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	18	0.14	0.01	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	18	0.14	0.01	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	18	0.14	0.01	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	18	0.14	0.01	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	18	0.14	0.01	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	18	0.14	0.01	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	18	0.14	0.01	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	18	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	18	0.13	0.03	0.12
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	18	0.13	0.03	0.12
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	18	0.13	0.01	0.13
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	18	0.13	0.01	0.13
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	18	0.13	0.03	0.12
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	18	0.13	0.02	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	18	0.13	0.02	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	18	0.13	0.02	0.13
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	18	0.13	0.03	0.12
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	18	0.13	0.01	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	18	0.13	0.01	0.13
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	18	0.11	0.01	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	18	0.11	0.01	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	18	0.11	0.01	0.11
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	17	0.18	0.03	0.18
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	17	0.18	0.03	0.18
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	17	0.18	0.03	0.18
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	17	0.18	0.03	0.18
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	17	0.18	0.03	0.18
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	17	0.18	0.03	0.18
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	17	0.15	0.03	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	17	0.15	0.03	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	17	0.15	0.03	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	17	0.15	0.03	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	17	0.15	0.03	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	17	0.15	0.03	0.15
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	17	0.14	0.01	0.15
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	17	0.14	0.01	0.15
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	17	0.14	0.01	0.14
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	17	0.13	0.02	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	17	0.13	0.02	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	17	0.13	0.02	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	17	0.12	0.01	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	17	0.12	0.01	0.12
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	17	0.12	0.02	0.11
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	17	0.12	0.02	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	17	0.12	0.01	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	17	0.12	0.01	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	17	0.12	0.01	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	17	0.12	0.01	0.12
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	16	0.18	0.09	0.11
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	16	0.17	0.0	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	16	0.17	0.0	0.17
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	16	0.15	0.02	0.14
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	16	0.15	0.02	0.14
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	16	0.15	0.02	0.14
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	16	0.14	0.01	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	16	0.14	0.02	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	16	0.14	0.02	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	16	0.14	0.02	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	16	0.14	0.02	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	16	0.14	0.02	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	16	0.14	0.02	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	16	0.14	0.02	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	16	0.14	0.02	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	16	0.14	0.02	0.13
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	16	0.14	0.02	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	16	0.14	0.02	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	16	0.14	0.02	0.14
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	16	0.13	0.01	0.13
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	16	0.12	0.01	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	16	0.12	0.01	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	16	0.12	0.01	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	16	0.12	0.01	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	16	0.12	0.01	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	16	0.12	0.01	0.12
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	15	0.28	0.01	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	15	0.28	0.01	0.28
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	15	0.15	0.01	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	15	0.15	0.01	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	15	0.15	0.01	0.15
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	15	0.14	0.02	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	15	0.14	0.02	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	15	0.14	0.02	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	15	0.14	0.02	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	15	0.14	0.02	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	15	0.14	0.02	0.14
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	15	0.13	0.02	0.13
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	15	0.13	0.02	0.13
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	15	0.12	0.02	0.12
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	15	0.12	0.02	0.12
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	15	0.12	0.02	0.12
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	15	0.12	0.02	0.12
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	15	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	15	0.12	0.02	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	15	0.11	0.01	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	15	0.11	0.01	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	15	0.11	0.01	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	15	0.11	0.01	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	15	0.11	0.01	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	15	0.11	0.01	0.11
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	14	0.16	0.08	0.11
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	14	0.16	0.08	0.11
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	14	0.15	0.07	0.12
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	14	0.15	0.02	0.14
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	14	0.14	0.02	0.15
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	14	0.14	0.02	0.15
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	14	0.14	0.02	0.14
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	14	0.13	0.01	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	14	0.13	0.01	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	14	0.13	0.01	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	14	0.13	0.01	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	14	0.13	0.01	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	14	0.13	0.01	0.12
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	13	0.17	0.0	0.17
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	13	0.16	0.03	0.17
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	13	0.15	0.03	0.14
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	13	0.15	0.03	0.14
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	13	0.14	0.04	0.13
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	13	0.14	0.03	0.13
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	13	0.14	0.03	0.13
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	13	0.14	0.03	0.13
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	13	0.14	0.03	0.13
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	13	0.14	0.03	0.13
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	13	0.14	0.03	0.13
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	13	0.14	0.03	0.13
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	13	0.14	0.03	0.13
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	13	0.14	0.03	0.13
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	13	0.13	0.02	0.13
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	13	0.13	0.02	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	13	0.12	0.01	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	13	0.12	0.01	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	13	0.12	0.01	0.12
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	12	0.15	0.02	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	12	0.14	0.02	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	12	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	12	0.14	0.02	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	12	0.14	0.02	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	12	0.14	0.02	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	12	0.14	0.02	0.15
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	12	0.13	0.02	0.14
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	12	0.13	0.02	0.14
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	12	0.13	0.03	0.12
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	12	0.13	0.03	0.12
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	12	0.13	0.01	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	12	0.13	0.01	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	12	0.13	0.01	0.13
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	12	0.13	0.02	0.12
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	12	0.13	0.02	0.12
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	12	0.12	0.01	0.13
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	12	0.12	0.01	0.13
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	12	0.11	0.01	0.11
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	11	0.13	0.03	0.13
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	11	0.13	0.01	0.13
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	11	0.13	0.01	0.13
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	11	0.13	0.01	0.13
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	11	0.13	0.01	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	11	0.12	0.02	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	11	0.12	0.02	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	11	0.12	0.02	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	11	0.12	0.02	0.12
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	11	0.12	0.02	0.12
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	10	0.18	0.09	0.13
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	10	0.18	0.09	0.13
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	10	0.14	0.03	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	10	0.14	0.03	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	10	0.14	0.03	0.12
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	10	0.14	0.02	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	10	0.14	0.02	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	10	0.14	0.02	0.14
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	10	0.12	0.03	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	10	0.12	0.03	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	10	0.12	0.03	0.11
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	9	0.21	0.05	0.21
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	9	0.21	0.05	0.21
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	9	0.19	0.06	0.18
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	9	0.15	0.02	0.14
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	9	0.15	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	9	0.14	0.03	0.14
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	9	0.14	0.03	0.14
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	9	0.14	0.03	0.13
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	9	0.14	0.03	0.13
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	9	0.14	0.03	0.13
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	9	0.14	0.01	0.14
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	9	0.14	0.02	0.14
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	9	0.13	0.02	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	9	0.13	0.02	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	9	0.13	0.02	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	9	0.13	0.02	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	9	0.13	0.02	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	9	0.13	0.02	0.13
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	9	0.12	0.01	0.12
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	9	0.12	0.01	0.12
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	9	0.12	0.01	0.12
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	9	0.11	0.01	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	9	0.11	0.01	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	9	0.11	0.01	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	9	0.11	0.01	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	9	0.11	0.01	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	9	0.11	0.01	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	9	0.11	0.01	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	9	0.11	0.01	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	9	0.11	0.01	0.11
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	9	0.11	0.01	0.11
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	8	0.19	0.03	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	8	0.19	0.03	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	8	0.19	0.03	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	8	0.19	0.03	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	8	0.19	0.03	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	8	0.19	0.03	0.2
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	8	0.17	0.02	0.18
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	8	0.16	0.02	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	8	0.16	0.02	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	8	0.16	0.02	0.17
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	8	0.15	0.02	0.15
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	8	0.15	0.02	0.15
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	8	0.15	0.02	0.15
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	8	0.14	0.01	0.14
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	8	0.13	0.02	0.12
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	8	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	8	0.13	0.02	0.13
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	8	0.13	0.01	0.13
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	8	0.13	0.01	0.13
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	8	0.12	0.02	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	8	0.12	0.02	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	8	0.12	0.02	0.12
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	8	0.12	0.02	0.12
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	8	0.11	0.01	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	8	0.11	0.01	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	8	0.11	0.01	0.11
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	8	0.11	0.01	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	8	0.11	0.01	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	8	0.11	0.01	0.12
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	8	0.11	0.01	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	8	0.11	0.01	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	8	0.11	0.01	0.11
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	8	0.11	0.01	0.11
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	8	0.11	0.01	0.11
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	8	0.11	0.01	0.11
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	8	0.11	0.0	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	8	0.11	0.0	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	8	0.11	0.0	0.11
(1,4188)	1:89:B:ASP:H	1:88:B:VAL:HB	7	0.28	0.01	0.28
(1,4184)	1:89:B:ASP:H	1:87:B:ALA:HA	7	0.24	0.02	0.24
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG11	7	0.17	0.01	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG12	7	0.17	0.01	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG13	7	0.17	0.01	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG21	7	0.17	0.01	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG22	7	0.17	0.01	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG23	7	0.17	0.01	0.17
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE2	7	0.15	0.04	0.14
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE3	7	0.15	0.04	0.14
(1,3832)	1:70:B:LEU:H	1:66:B:VAL:HA	7	0.14	0.03	0.13
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE2	7	0.13	0.03	0.12
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE3	7	0.13	0.03	0.12
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE2	7	0.13	0.03	0.12
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE3	7	0.13	0.03	0.12
(1,1437)	1:66:A:VAL:HG11	1:69:A:LEU:HG	7	0.12	0.02	0.11
(1,1437)	1:66:A:VAL:HG12	1:69:A:LEU:HG	7	0.12	0.02	0.11
(1,1437)	1:66:A:VAL:HG13	1:69:A:LEU:HG	7	0.12	0.02	0.11
(1,6559)	1:66:A:VAL:HG11	1:69:A:LEU:HG	7	0.12	0.02	0.11
(1,6559)	1:66:A:VAL:HG12	1:69:A:LEU:HG	7	0.12	0.02	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6559)	1:66:A:VAL:HG13	1:69:A:LEU:HG	7	0.12	0.02	0.11
(1,658)	1:31:A:THR:H	1:32:A:ALA:HA	7	0.12	0.02	0.11
(1,1443)	1:66:A:VAL:HG21	1:6:A:VAL:HB	7	0.12	0.01	0.12
(1,1443)	1:66:A:VAL:HG22	1:6:A:VAL:HB	7	0.12	0.01	0.12
(1,1443)	1:66:A:VAL:HG23	1:6:A:VAL:HB	7	0.12	0.01	0.12
(1,5780)	1:31:A:THR:H	1:32:A:ALA:HA	7	0.12	0.02	0.11
(1,6565)	1:66:A:VAL:HG21	1:6:A:VAL:HB	7	0.12	0.01	0.12
(1,6565)	1:66:A:VAL:HG22	1:6:A:VAL:HB	7	0.12	0.01	0.12
(1,6565)	1:66:A:VAL:HG23	1:6:A:VAL:HB	7	0.12	0.01	0.12
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB2	7	0.11	0.01	0.11
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB3	7	0.11	0.01	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG21	7	0.11	0.01	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG22	7	0.11	0.01	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG23	7	0.11	0.01	0.11
(1,1856)	1:87:A:ALA:H	1:88:A:VAL:HB	7	0.11	0.01	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	7	0.11	0.01	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	7	0.11	0.01	0.11
(1,6978)	1:87:A:ALA:H	1:88:A:VAL:HB	7	0.11	0.01	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	7	0.11	0.01	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	7	0.11	0.01	0.11
(1,2303)	1:109:A:ALA:H	1:106:A:GLN:HA	6	0.17	0.03	0.18
(1,7425)	1:109:A:ALA:H	1:106:A:GLN:HA	6	0.17	0.03	0.18
(1,1531)	1:70:A:LEU:H	1:71:A:GLU:HB3	6	0.16	0.04	0.17
(1,6653)	1:70:A:LEU:H	1:71:A:GLU:HB3	6	0.16	0.04	0.17
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG21	6	0.14	0.01	0.15
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG22	6	0.14	0.01	0.15
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG23	6	0.14	0.01	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG21	6	0.14	0.01	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG22	6	0.14	0.01	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG23	6	0.14	0.01	0.15
(1,1786)	1:82:A:SER:H	1:79:A:LEU:HB3	6	0.14	0.01	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG21	6	0.14	0.03	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG22	6	0.14	0.03	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG23	6	0.14	0.03	0.14
(1,6908)	1:82:A:SER:H	1:79:A:LEU:HB3	6	0.14	0.01	0.14
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE1	6	0.13	0.02	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE2	6	0.13	0.02	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE3	6	0.13	0.02	0.12
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB2	6	0.12	0.02	0.12
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB3	6	0.12	0.02	0.12
(1,2416)	1:8:B:ASN:H	1:6:B:VAL:HB	6	0.12	0.02	0.12
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD21	6	0.12	0.02	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD22	6	0.12	0.02	0.11
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD23	6	0.12	0.02	0.11
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG21	6	0.12	0.01	0.12
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG22	6	0.12	0.01	0.12
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG23	6	0.12	0.01	0.12
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD21	6	0.12	0.02	0.11
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD22	6	0.12	0.02	0.11
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD23	6	0.12	0.02	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE1	6	0.11	0.01	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE2	6	0.11	0.01	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE3	6	0.11	0.01	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE1	6	0.11	0.01	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE2	6	0.11	0.01	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE3	6	0.11	0.01	0.11
(1,1695)	1:77:A:LEU:H	1:80:A:LEU:HB2	6	0.11	0.01	0.11
(1,6817)	1:77:A:LEU:H	1:80:A:LEU:HB2	6	0.11	0.01	0.11
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD2	6	0.11	0.01	0.11
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD3	6	0.11	0.01	0.11
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD2	5	0.17	0.05	0.15
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD3	5	0.17	0.05	0.15
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD2	5	0.17	0.05	0.15
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD3	5	0.17	0.05	0.15
(1,159)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	5	0.14	0.02	0.14
(1,5281)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	5	0.14	0.02	0.14
(1,2474)	1:11:B:ASN:HD21	1:54:B:LEU:HA	5	0.14	0.03	0.13
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	5	0.12	0.01	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	5	0.12	0.01	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	5	0.12	0.01	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	5	0.12	0.01	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	5	0.12	0.01	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	5	0.12	0.01	0.12
(1,1906)	1:91:A:THR:H	1:90:A:THR:HB	5	0.11	0.01	0.12
(1,7028)	1:91:A:THR:H	1:90:A:THR:HB	5	0.11	0.01	0.12
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD21	5	0.11	0.01	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD22	5	0.11	0.01	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD23	5	0.11	0.01	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG21	5	0.11	0.01	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG22	5	0.11	0.01	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG23	5	0.11	0.01	0.11
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD11	5	0.11	0.01	0.11
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD12	5	0.11	0.01	0.11
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD13	5	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1644)	1:75:A:ALA:H	1:73:A:LEU:HB2	5	0.11	0.01	0.11
(1,2917)	1:29:B:LEU:H	1:30:B:SER:HA	5	0.11	0.01	0.11
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD11	5	0.11	0.01	0.11
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD12	5	0.11	0.01	0.11
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD13	5	0.11	0.01	0.11
(1,6766)	1:75:A:ALA:H	1:73:A:LEU:HB2	5	0.11	0.01	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	5	0.11	0.01	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	5	0.11	0.01	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	5	0.11	0.01	0.11
(1,4434)	1:103:B:ALA:HA	1:106:B:GLN:HG3	5	0.11	0.01	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	5	0.11	0.01	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	5	0.11	0.01	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	5	0.11	0.01	0.11
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB1	4	0.34	0.01	0.34
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB2	4	0.34	0.01	0.34
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB3	4	0.34	0.01	0.34
(1,1876)	1:89:A:ASP:H	1:88:A:VAL:HB	4	0.28	0.01	0.28
(1,6998)	1:89:A:ASP:H	1:88:A:VAL:HB	4	0.28	0.01	0.28
(1,1872)	1:89:A:ASP:H	1:87:A:ALA:HA	4	0.25	0.03	0.24
(1,6994)	1:89:A:ASP:H	1:87:A:ALA:HA	4	0.25	0.03	0.24
(1,195)	1:13:A:LEU:H	1:14:A:ARG:HB3	4	0.15	0.04	0.14
(1,5317)	1:13:A:LEU:H	1:14:A:ARG:HB3	4	0.15	0.04	0.14
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE2	4	0.14	0.03	0.14
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE3	4	0.14	0.03	0.14
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE2	4	0.14	0.03	0.14
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE3	4	0.14	0.03	0.14
(1,795)	1:39:A:ASP:H	1:40:A:VAL:HA	4	0.13	0.02	0.12
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG2	4	0.13	0.02	0.14
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG3	4	0.13	0.02	0.14
(1,5917)	1:39:A:ASP:H	1:40:A:VAL:HA	4	0.13	0.02	0.12
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG2	4	0.13	0.02	0.14
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG3	4	0.13	0.02	0.14
(1,652)	1:31:A:THR:H	1:29:A:LEU:HA	4	0.12	0.02	0.12
(1,3092)	1:38:B:VAL:HG21	1:99:B:SER:HA	4	0.12	0.01	0.12
(1,3092)	1:38:B:VAL:HG22	1:99:B:SER:HA	4	0.12	0.01	0.12
(1,3092)	1:38:B:VAL:HG23	1:99:B:SER:HA	4	0.12	0.01	0.12
(1,5774)	1:31:A:THR:H	1:29:A:LEU:HA	4	0.12	0.02	0.12
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG21	4	0.12	0.01	0.12
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG22	4	0.12	0.01	0.12
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG23	4	0.12	0.01	0.12
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG21	4	0.12	0.01	0.12
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG22	4	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG23	4	0.12	0.01	0.12
(1,3803)	1:68:B:VAL:HA	1:71:B:GLU:HG3	4	0.12	0.02	0.12
(1,2774)	1:23:B:ASN:HD21	1:19:B:LYS:HB3	4	0.12	0.0	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB1	4	0.12	0.0	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB2	4	0.12	0.0	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB3	4	0.12	0.0	0.12
(1,3246)	1:44:B:THR:H	1:103:B:ALA:HA	4	0.11	0.01	0.11
(1,4658)	1:19:B:LYS:HG2	1:93:A:ILE:HB	4	0.11	0.0	0.11
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB1	4	0.1	0.0	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB2	4	0.1	0.0	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB3	4	0.1	0.0	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB1	4	0.1	0.0	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB2	4	0.1	0.0	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB3	4	0.1	0.0	0.1
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB1	3	0.31	0.04	0.31
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB2	3	0.31	0.04	0.31
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB3	3	0.31	0.04	0.31
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB1	3	0.31	0.04	0.31
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB2	3	0.31	0.04	0.31
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB3	3	0.31	0.04	0.31
(1,2476)	1:11:B:ASN:HD21	1:57:B:SER:HA	3	0.26	0.03	0.27
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB1	3	0.17	0.03	0.18
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB2	3	0.17	0.03	0.18
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB3	3	0.17	0.03	0.18
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB1	3	0.17	0.03	0.18
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB2	3	0.17	0.03	0.18
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB3	3	0.17	0.03	0.18
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG21	3	0.13	0.01	0.13
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG22	3	0.13	0.01	0.13
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG23	3	0.13	0.01	0.13
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG21	3	0.13	0.02	0.13
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG22	3	0.13	0.02	0.13
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG23	3	0.13	0.02	0.13
(1,4098)	1:82:B:SER:H	1:79:B:LEU:HB3	3	0.13	0.01	0.12
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG21	3	0.13	0.02	0.13
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG22	3	0.13	0.02	0.13
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG23	3	0.13	0.02	0.13
(1,1491)	1:68:A:VAL:HA	1:71:A:GLU:HG3	3	0.13	0.02	0.12
(1,6613)	1:68:A:VAL:HA	1:71:A:GLU:HG3	3	0.13	0.02	0.12
(1,1503)	1:69:A:LEU:H	1:65:A:LYS:HA	3	0.12	0.0	0.12
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD11	3	0.12	0.02	0.11
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD12	3	0.12	0.02	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD13	3	0.12	0.02	0.11
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG21	3	0.12	0.01	0.13
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG22	3	0.12	0.01	0.13
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG23	3	0.12	0.01	0.13
(1,6625)	1:69:A:LEU:H	1:65:A:LYS:HA	3	0.12	0.0	0.12
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD11	3	0.12	0.02	0.11
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD12	3	0.12	0.02	0.11
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD13	3	0.12	0.02	0.11
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG21	3	0.12	0.01	0.13
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG22	3	0.12	0.01	0.13
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG23	3	0.12	0.01	0.13
(1,763)	1:38:A:VAL:HB	1:99:A:SER:HB2	3	0.11	0.01	0.12
(1,763)	1:38:A:VAL:HB	1:99:A:SER:HB3	3	0.11	0.01	0.12
(1,990)	1:47:A:LEU:H	1:43:A:PHE:HE1	3	0.11	0.0	0.11
(1,990)	1:47:A:LEU:H	1:43:A:PHE:HE2	3	0.11	0.0	0.11
(1,5885)	1:38:A:VAL:HB	1:99:A:SER:HB2	3	0.11	0.01	0.12
(1,5885)	1:38:A:VAL:HB	1:99:A:SER:HB3	3	0.11	0.01	0.12
(1,6112)	1:47:A:LEU:H	1:43:A:PHE:HE1	3	0.11	0.0	0.11
(1,6112)	1:47:A:LEU:H	1:43:A:PHE:HE2	3	0.11	0.0	0.11
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG11	3	0.11	0.01	0.11
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG12	3	0.11	0.01	0.11
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG13	3	0.11	0.01	0.11
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG11	3	0.11	0.01	0.11
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG12	3	0.11	0.01	0.11
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG13	3	0.11	0.01	0.11
(1,4906)	1:19:A:LYS:HG2	1:93:B:ILE:HB	3	0.1	0.0	0.1
(1,3956)	1:75:B:ALA:H	1:73:B:LEU:HB2	3	0.1	0.0	0.1
(1,164)	1:11:A:ASN:HD21	1:57:A:SER:HA	2	0.25	0.01	0.25
(1,5286)	1:11:A:ASN:HD21	1:57:A:SER:HA	2	0.25	0.01	0.25
(1,3733)	1:66:B:VAL:H	1:67:B:GLU:HG2	2	0.24	0.0	0.24
(1,3733)	1:66:B:VAL:H	1:67:B:GLU:HG3	2	0.24	0.0	0.24
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB1	2	0.24	0.04	0.24
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB2	2	0.24	0.04	0.24
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB3	2	0.24	0.04	0.24
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB1	2	0.24	0.04	0.24
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB2	2	0.24	0.04	0.24
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB3	2	0.24	0.04	0.24
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG11	2	0.2	0.01	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG12	2	0.2	0.01	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG13	2	0.2	0.01	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG21	2	0.2	0.01	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG22	2	0.2	0.01	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG23	2	0.2	0.01	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG11	2	0.2	0.01	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG12	2	0.2	0.01	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG13	2	0.2	0.01	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG21	2	0.2	0.01	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG22	2	0.2	0.01	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG23	2	0.2	0.01	0.2
(1,3548)	1:59:B:MET:H	1:11:B:ASN:HB3	2	0.19	0.01	0.19
(1,4390)	1:101:B:SER:HB2	1:100:B:VAL:HB	2	0.19	0.01	0.19
(1,4390)	1:101:B:SER:HB3	1:100:B:VAL:HB	2	0.19	0.01	0.19
(1,2399)	1:6:B:VAL:HG21	1:67:B:GLU:HG2	2	0.18	0.02	0.18
(1,2399)	1:6:B:VAL:HG21	1:67:B:GLU:HG3	2	0.18	0.02	0.18
(1,2399)	1:6:B:VAL:HG22	1:67:B:GLU:HG2	2	0.18	0.02	0.18
(1,2399)	1:6:B:VAL:HG22	1:67:B:GLU:HG3	2	0.18	0.02	0.18
(1,2399)	1:6:B:VAL:HG23	1:67:B:GLU:HG2	2	0.18	0.02	0.18
(1,2399)	1:6:B:VAL:HG23	1:67:B:GLU:HG3	2	0.18	0.02	0.18
(1,790)	1:39:A:ASP:H	1:34:A:GLY:H	2	0.18	0.02	0.18
(1,1236)	1:59:A:MET:H	1:11:A:ASN:HB3	2	0.18	0.01	0.18
(1,5912)	1:39:A:ASP:H	1:34:A:GLY:H	2	0.18	0.02	0.18
(1,6358)	1:59:A:MET:H	1:11:A:ASN:HB3	2	0.18	0.01	0.18
(1,3792)	1:68:B:VAL:H	1:67:B:GLU:HG2	2	0.18	0.03	0.18
(1,3792)	1:68:B:VAL:H	1:67:B:GLU:HG3	2	0.18	0.03	0.18
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG11	2	0.16	0.01	0.16
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG12	2	0.16	0.01	0.16
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG13	2	0.16	0.01	0.16
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG21	2	0.16	0.01	0.16
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG22	2	0.16	0.01	0.16
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG23	2	0.16	0.01	0.16
(1,3335)	1:48:B:ARG:H	1:45:B:SER:HB2	2	0.16	0.0	0.16
(1,3335)	1:48:B:ARG:H	1:45:B:SER:HB3	2	0.16	0.0	0.16
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG11	2	0.16	0.01	0.16
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG12	2	0.16	0.01	0.16
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG13	2	0.16	0.01	0.16
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG21	2	0.16	0.01	0.16
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG22	2	0.16	0.01	0.16
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG23	2	0.16	0.01	0.16
(1,2094)	1:102:A:LYS:HB2	1:101:A:SER:HB2	2	0.15	0.01	0.15
(1,2094)	1:102:A:LYS:HB2	1:101:A:SER:HB3	2	0.15	0.01	0.15
(1,7216)	1:102:A:LYS:HB2	1:101:A:SER:HB2	2	0.15	0.01	0.15
(1,7216)	1:102:A:LYS:HB2	1:101:A:SER:HB3	2	0.15	0.01	0.15
(1,2078)	1:101:A:SER:HB2	1:100:A:VAL:HB	2	0.15	0.0	0.15
(1,2078)	1:101:A:SER:HB3	1:100:A:VAL:HB	2	0.15	0.0	0.15

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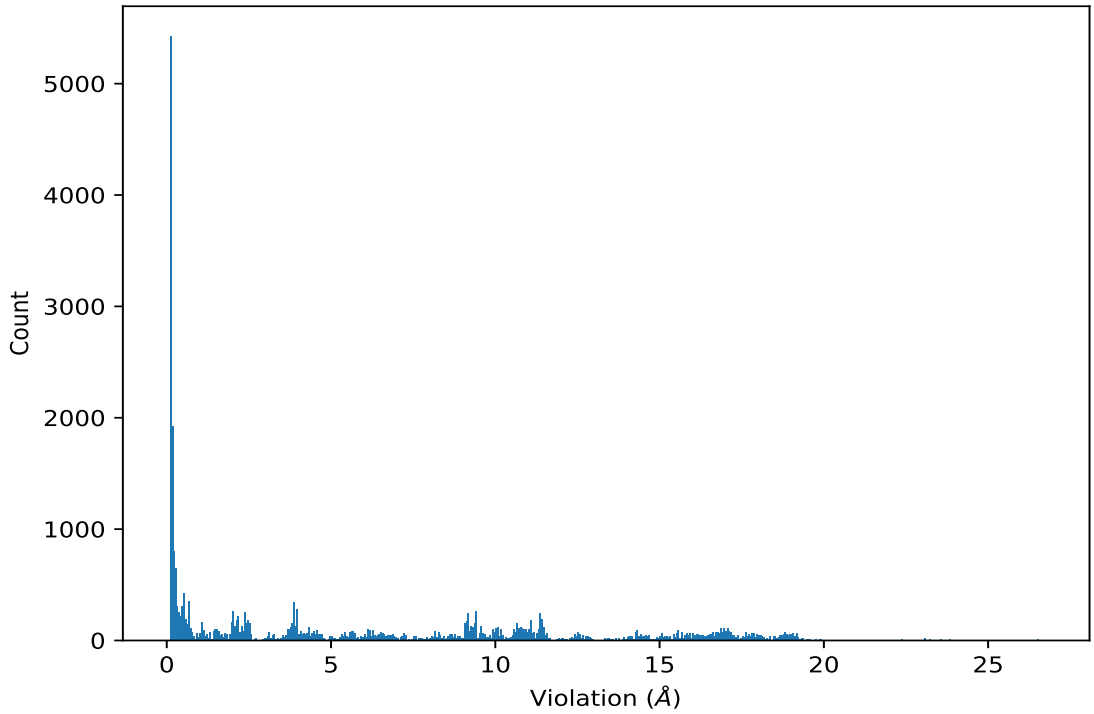
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7200)	1:101:A:SER:HB2	1:100:A:VAL:HB	2	0.15	0.0	0.15
(1,7200)	1:101:A:SER:HB3	1:100:A:VAL:HB	2	0.15	0.0	0.15
(1,7582)	1:73:A:LEU:HD21	1:76:A:ALA:HA	2	0.14	0.03	0.14
(1,7582)	1:73:A:LEU:HD22	1:76:A:ALA:HA	2	0.14	0.03	0.14
(1,7582)	1:73:A:LEU:HD23	1:76:A:ALA:HA	2	0.14	0.03	0.14
(1,2510)	1:13:B:LEU:H	1:14:B:ARG:HB3	2	0.14	0.03	0.14
(1,4406)	1:102:B:LYS:HB2	1:101:B:SER:HB2	2	0.14	0.03	0.14
(1,4406)	1:102:B:LYS:HB2	1:101:B:SER:HB3	2	0.14	0.03	0.14
(1,1241)	1:59:A:MET:H	1:56:A:ASP:HA	2	0.14	0.01	0.14
(1,4192)	1:90:B:THR:H	1:88:B:VAL:HB	2	0.14	0.01	0.14
(1,6363)	1:59:A:MET:H	1:56:A:ASP:HA	2	0.14	0.01	0.14
(1,2471)	1:11:B:ASN:HD21	1:10:B:PRO:HB3	2	0.12	0.02	0.12
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE1	2	0.12	0.0	0.12
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE2	2	0.12	0.0	0.12
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE3	2	0.12	0.0	0.12
(1,3553)	1:59:B:MET:H	1:56:B:ASP:HA	2	0.12	0.0	0.12
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB1	2	0.11	0.01	0.11
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB2	2	0.11	0.01	0.11
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB3	2	0.11	0.01	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB1	2	0.11	0.0	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB2	2	0.11	0.0	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB3	2	0.11	0.0	0.11
(1,2573)	1:18:B:ALA:H	1:13:B:LEU:HA	2	0.11	0.0	0.11
(1,3274)	1:45:B:SER:H	1:48:B:ARG:HB2	2	0.11	0.01	0.11
(1,3274)	1:45:B:SER:H	1:48:B:ARG:HB3	2	0.11	0.01	0.11
(1,3301)	1:47:B:LEU:H	1:43:B:PHE:HE1	2	0.11	0.01	0.11
(1,3301)	1:47:B:LEU:H	1:43:B:PHE:HE2	2	0.11	0.01	0.11
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB1	2	0.11	0.01	0.11
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB2	2	0.11	0.01	0.11
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB3	2	0.11	0.01	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB1	2	0.11	0.0	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB2	2	0.11	0.0	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB3	2	0.11	0.0	0.11
(1,605)	1:29:A:LEU:H	1:30:A:SER:HA	2	0.11	0.0	0.11
(1,2226)	1:106:A:GLN:HE21	1:48:A:ARG:HD2	2	0.11	0.0	0.11
(1,2226)	1:106:A:GLN:HE21	1:48:A:ARG:HD3	2	0.11	0.0	0.11
(1,4282)	1:95:B:LEU:HG	1:92:B:SER:HA	2	0.11	0.0	0.11
(1,5727)	1:29:A:LEU:H	1:30:A:SER:HA	2	0.11	0.0	0.11
(1,7348)	1:106:A:GLN:HE21	1:48:A:ARG:HD2	2	0.11	0.0	0.11
(1,7348)	1:106:A:GLN:HE21	1:48:A:ARG:HD3	2	0.11	0.0	0.11

[1]Number of violated models, [2]Standard deviation

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	19	26.73
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	19	26.73
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	2	26.72
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	2	26.72
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	16	26.71
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	17	26.71
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	16	26.71
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	17	26.71
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	14	26.7
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	14	26.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	11	26.68
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	11	26.68
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	1	26.67
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	1	26.67
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	10	26.66
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	10	26.66
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	7	26.65
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	7	26.65
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	6	26.63
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	6	26.63
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	15	26.61
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	15	26.61
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	8	26.58
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	8	26.58
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	20	26.55
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	20	26.55
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	3	26.54
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	12	26.54
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	13	26.54
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	3	26.54
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	12	26.54
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	13	26.54
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	5	26.53
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	18	26.53
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	5	26.53
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	18	26.53
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	4	26.46
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	4	26.46
(1,7684)	1:93:A:ILE:HB	1:19:A:LYS:HG2	9	26.4
(1,7477)	1:19:A:LYS:HG2	1:93:A:ILE:HB	9	26.4
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	19	25.7
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	16	25.68
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	17	25.68
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	2	25.64
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	14	25.62
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	6	25.61
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	11	25.6
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	1	25.59
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	8	25.56
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	10	25.56
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	7	25.54
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	5	25.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	20	25.53
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	15	25.5
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	18	25.46
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	3	25.44
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	13	25.44
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	12	25.41
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	4	25.37
(1,7480)	1:19:A:LYS:HG3	1:93:A:ILE:HB	9	25.27
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	10	25.08
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	19	25.04
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	14	25.01
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	15	24.97
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	17	24.97
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	2	24.96
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	20	24.96
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	16	24.92
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	6	24.88
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	13	24.88
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	7	24.87
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	8	24.85
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	11	24.83
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	1	24.82
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	5	24.77
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	9	24.77
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	12	24.76
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	3	24.74
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	18	24.72
(1,7512)	1:23:A:ASN:HD22	1:90:A:THR:HB	4	24.7
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	10	24.5
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	15	24.49
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	19	24.49
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	9	24.45
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	9	24.45
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	14	24.41
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	2	24.38
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	17	24.36
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	16	24.35
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	1	24.34
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	11	24.34
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	6	24.33
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	7	24.33
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	20	24.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	13	24.31
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	12	24.29
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	3	24.28
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	8	24.25
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	5	24.24
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	18	24.24
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	9	24.23
(1,7506)	1:23:A:ASN:HD21	1:90:A:THR:HB	4	24.19
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	12	24.14
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	12	24.14
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	14	24.13
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	14	24.13
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	8	24.12
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	8	24.12
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	16	24.05
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	16	24.05
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	17	24.05
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	17	24.05
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	18	23.97
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	18	23.97
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	1	23.95
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	1	23.95
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	10	23.93
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	10	23.93
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	20	23.91
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	20	23.91
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	10	23.91
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	10	23.91
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	8	23.89
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	8	23.89
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	11	23.87
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	11	23.87
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	19	23.86
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	19	23.86
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	6	23.85
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	6	23.85
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	15	23.84
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	15	23.84
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	1	23.83
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	1	23.83
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	20	23.83
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	20	23.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	18	23.82
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	18	23.82
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	4	23.81
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	4	23.81
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	17	23.81
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	17	23.81
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	3	23.79
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	3	23.79
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	5	23.77
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	5	23.77
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	6	23.74
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	6	23.74
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	15	23.74
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	15	23.74
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	2	23.73
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	2	23.73
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	19	23.71
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	19	23.71
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	16	23.63
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	16	23.63
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	7	23.61
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	7	23.61
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	2	23.59
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	2	23.59
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	14	23.58
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	14	23.58
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	12	23.56
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	12	23.56
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	13	23.56
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	13	23.56
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	4	23.55
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	4	23.55
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	7	23.53
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	7	23.53
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	11	23.53
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	11	23.53
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	3	23.53
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	3	23.53
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE2	9	23.42
(1,7685)	1:93:A:ILE:HB	1:19:A:LYS:HE3	9	23.42
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	5	23.38
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	5	23.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	16	23.3
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	16	23.3
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	2	23.23
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	17	23.23
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	10	23.22
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	16	23.22
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	19	23.22
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	17	23.22
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	17	23.22
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	11	23.21
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	14	23.21
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	1	23.19
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	7	23.18
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	1	23.18
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	1	23.18
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	10	23.16
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	10	23.16
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	15	23.15
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	6	23.13
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD2	13	23.12
(1,7720)	1:98:A:ASN:HD21	1:14:A:ARG:HD3	13	23.12
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	6	23.09
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	6	23.09
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	15	23.09
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	15	23.09
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	8	23.08
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	20	23.08
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	8	23.08
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	8	23.08
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	19	23.08
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	19	23.08
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	2	23.07
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	2	23.07
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	19	23.07
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	20	23.06
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	20	23.06
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	3	23.05
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	13	23.05
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	18	23.05
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	5	23.05
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	5	23.05
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	12	23.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	11	23.04
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	11	23.04
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	14	23.04
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	18	23.03
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	18	23.03
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	4	23.02
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	5	23.02
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	20	22.99
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	17	22.97
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	6	22.96
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	16	22.96
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	2	22.95
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	10	22.95
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	13	22.95
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	12	22.91
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	12	22.91
(1,7683)	1:93:A:ILE:HB	1:19:A:LYS:HA	9	22.9
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	8	22.9
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	7	22.89
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	5	22.87
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	13	22.86
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	13	22.86
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	1	22.85
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	15	22.83
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	7	22.82
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	7	22.82
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	9	22.82
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	14	22.81
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	14	22.81
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	11	22.81
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	3	22.8
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	3	22.78
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	3	22.78
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	4	22.77
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	4	22.77
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	18	22.77
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	4	22.74
(1,7511)	1:23:A:ASN:HD22	1:90:A:THR:HA	12	22.74
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE2	9	22.63
(1,7681)	1:93:A:ILE:H	1:19:A:LYS:HE3	9	22.63
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	19	22.52
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	14	22.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	6	22.4
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	16	22.38
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	1	22.37
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	13	22.37
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	2	22.35
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	7	22.35
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	10	22.35
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	17	22.35
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	20	22.35
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	3	22.34
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	5	22.33
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	15	22.33
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	11	22.32
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	8	22.3
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	18	22.29
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	9	22.27
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	12	22.25
(1,7505)	1:23:A:ASN:HD21	1:90:A:THR:HA	4	22.22
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	19	21.86
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	12	21.85
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	14	21.85
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	2	21.84
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	6	21.77
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	7	21.77
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	10	21.76
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	13	21.75
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	16	21.75
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	1	21.74
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	17	21.74
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	15	21.71
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	9	21.69
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	11	21.69
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	18	21.69
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	3	21.67
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	5	21.65
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	8	21.64
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	20	21.63
(1,7496)	1:23:A:ASN:H	1:93:A:ILE:HG13	4	21.6
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	1	20.37
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	18	20.36
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	11	20.35
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	2	20.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	19	20.28
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	12	20.26
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	15	20.26
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	16	20.25
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	17	20.25
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	7	20.23
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	14	20.23
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	4	20.22
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	10	20.22
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	3	20.21
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	8	20.21
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	13	20.19
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	6	20.16
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	20	20.13
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	9	20.11
(1,7620)	1:78:A:GLN:HE21	1:93:A:ILE:HB	5	20.08
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	11	20.02
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	11	20.02
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	11	20.02
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	17	20.0
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	17	20.0
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	17	20.0
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	2	19.96
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	2	19.96
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	2	19.96
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	19	19.96
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	19	19.96
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	19	19.96
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	16	19.95
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	16	19.95
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	16	19.95
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	7	19.94
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	7	19.94
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	7	19.94
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	14	19.94
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	14	19.94
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	14	19.94
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	1	19.92
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	1	19.92
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	1	19.92
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	10	19.9
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	10	19.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	10	19.9
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	6	19.88
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	6	19.88
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	6	19.88
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	8	19.85
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	8	19.85
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	8	19.85
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	15	19.85
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	15	19.85
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	15	19.85
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	18	19.82
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	18	19.82
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	18	19.82
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	20	19.82
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	20	19.82
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	20	19.82
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	3	19.79
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	3	19.79
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	3	19.79
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	13	19.78
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	13	19.78
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	13	19.78
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	5	19.76
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	5	19.76
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	5	19.76
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	12	19.76
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	12	19.76
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	12	19.76
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	4	19.75
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	4	19.75
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	4	19.75
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	1	19.71
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	19	19.69
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG21	9	19.68
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG22	9	19.68
(1,7479)	1:19:A:LYS:HG2	1:93:A:ILE:HG23	9	19.68
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	14	19.65
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	7	19.64
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	13	19.64
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	16	19.64
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	10	19.62
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	8	19.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	18	19.6
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	17	19.6
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	2	19.59
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	6	19.59
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	14	19.57
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	14	19.57
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	2	19.57
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	9	19.57
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	12	19.56
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	20	19.56
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	3	19.55
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	11	19.54
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	15	19.54
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	16	19.53
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	13	19.52
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	2	19.51
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	4	19.51
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	5	19.51
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	1	19.5
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	12	19.5
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	19	19.49
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	14	19.49
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	14	19.49
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	14	19.49
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	6	19.47
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	6	19.47
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	6	19.47
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	19	19.47
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	19	19.47
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	19	19.47
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	18	19.45
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	14	19.45
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	15	19.43
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	11	19.42
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	7	19.42
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	8	19.41
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	10	19.41
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	20	19.41
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	5	19.39
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	17	19.39
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	9	19.39
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	9	19.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	9	19.39
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	13	19.39
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	13	19.39
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	13	19.39
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	6	19.38
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	17	19.38
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	17	19.38
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	17	19.38
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	20	19.38
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	20	19.38
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	20	19.38
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	16	19.37
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	7	19.37
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	7	19.37
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	7	19.37
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	8	19.37
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	8	19.37
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	8	19.37
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	3	19.35
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	10	19.35
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	13	19.34
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	19	19.34
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	14	19.34
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	14	19.34
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	14	19.34
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	4	19.33
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	14	19.33
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	19	19.33
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	19	19.33
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	19	19.33
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	5	19.33
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	5	19.33
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	5	19.33
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	16	19.33
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	16	19.33
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	16	19.33
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	6	19.31
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	6	19.31
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	6	19.31
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	1	19.31
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	1	19.31
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	1	19.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	7	19.3
(1,7680)	1:92:A:SER:H	1:78:A:GLN:HE21	9	19.29
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	11	19.28
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	11	19.28
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	11	19.28
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	17	19.27
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	18	19.27
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	18	19.27
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	18	19.27
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	3	19.26
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	3	19.26
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	3	19.26
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	6	19.25
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	8	19.25
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	10	19.25
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	10	19.25
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	10	19.25
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	9	19.24
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	9	19.24
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	9	19.24
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	13	19.24
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	13	19.24
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	13	19.24
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	11	19.24
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	11	19.24
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	11	19.24
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	17	19.23
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	17	19.23
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	17	19.23
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	19	19.23
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	19	19.23
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	19	19.23
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	20	19.23
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	20	19.23
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	20	19.23
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	5	19.22
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	20	19.22
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	2	19.21
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	2	19.21
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	2	19.21
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	14	19.21
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	14	19.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	14	19.21
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	4	19.21
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	4	19.21
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	4	19.21
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	10	19.2
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	10	19.2
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	10	19.2
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	17	19.2
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	17	19.2
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	17	19.2
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	17	19.2
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	17	19.2
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	17	19.2
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	17	19.2
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	17	19.2
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	17	19.2
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	16	19.19
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	16	19.19
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	16	19.19
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	16	19.19
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	16	19.19
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	16	19.19
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	14	19.19
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	14	19.19
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	14	19.19
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	19	19.19
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	19	19.19
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	19	19.19
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	5	19.19
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	5	19.19
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	5	19.19
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	8	19.19
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	8	19.19
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	8	19.19
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	11	19.19
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	11	19.19
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	11	19.19
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	14	19.18
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	14	19.18
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	14	19.18
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	7	19.18
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	7	19.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	7	19.18
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	7	19.17
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	7	19.17
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	7	19.17
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	2	19.17
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	2	19.17
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	2	19.17
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	6	19.17
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	6	19.17
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	6	19.17
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	20	19.17
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	20	19.17
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	20	19.17
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	8	19.16
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	8	19.16
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	1	19.16
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	1	19.16
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	1	19.16
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	19	19.16
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	19	19.16
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	19	19.16
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	1	19.16
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	1	19.16
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	1	19.16
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	6	19.16
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	6	19.16
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	6	19.16
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	2	19.16
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	2	19.16
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	2	19.16
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	19	19.16
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	19	19.16
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	19	19.16
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	8	19.15
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	8	19.15
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	8	19.15
(1,7682)	1:93:A:ILE:H	1:78:A:GLN:HE21	9	19.15
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	17	19.15
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	17	19.15
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	17	19.15
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	16	19.15
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	16	19.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	16	19.15
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	8	19.14
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	8	19.14
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	8	19.14
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	15	19.13
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	15	19.13
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	15	19.13
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	7	19.13
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	7	19.13
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	7	19.13
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	1	19.13
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	1	19.13
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	1	19.13
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	16	19.13
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	16	19.13
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	16	19.13
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	2	19.13
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	2	19.13
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	2	19.13
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	10	19.12
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	10	19.12
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	10	19.12
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	5	19.1
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	5	19.1
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	5	19.1
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	14	19.1
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	14	19.1
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	14	19.1
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	6	19.09
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	6	19.09
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	6	19.09
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	20	19.09
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	20	19.09
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	20	19.09
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	3	19.09
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	3	19.09
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	3	19.09
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	15	19.09
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	15	19.09
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	15	19.09
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	6	19.09
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	6	19.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	6	19.09
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	6	19.08
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	6	19.08
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	20	19.08
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	20	19.08
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	20	19.08
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	1	19.08
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	16	19.08
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	16	19.08
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	16	19.08
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG21	12	19.08
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG22	12	19.08
(1,7500)	1:23:A:ASN:HB2	1:90:A:THR:HG23	12	19.08
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	18	19.07
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	18	19.07
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	18	19.07
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	18	19.07
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	18	19.07
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	1	19.07
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	1	19.07
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	1	19.07
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	13	19.06
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	13	19.06
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	13	19.06
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	13	19.06
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	13	19.06
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	13	19.06
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	10	19.06
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	10	19.06
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	10	19.06
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	11	19.06
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	11	19.06
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	11	19.06
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	7	19.06
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	7	19.06
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	7	19.06
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	8	19.06
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	8	19.06
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	8	19.06
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	8	19.05
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	8	19.05
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	8	19.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	3	19.05
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	3	19.05
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	3	19.05
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	1	19.05
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	7	19.05
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	7	19.05
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	7	19.05
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	11	19.05
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	11	19.05
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	11	19.05
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	3	19.04
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	3	19.04
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	3	19.04
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	4	19.04
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	4	19.04
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	4	19.04
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	18	19.04
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	18	19.04
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	18	19.04
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	11	19.04
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	11	19.04
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	11	19.04
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	5	19.04
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	5	19.04
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	5	19.04
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	10	19.04
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	10	19.04
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	10	19.04
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	15	19.03
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	15	19.03
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	15	19.03
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	9	19.03
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	9	19.03
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	9	19.03
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	20	19.03
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	20	19.03
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	20	19.03
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	19	19.03
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	19	19.03
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	19	19.03
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	13	19.02
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	13	19.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	13	19.02
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	18	19.02
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	18	19.02
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	18	19.02
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	4	19.02
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	4	19.02
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	4	19.02
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	2	19.01
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	2	19.01
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	2	19.01
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	7	19.01
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	7	19.01
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	7	19.01
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	17	19.01
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	17	19.01
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	17	19.01
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	14	19.01
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	14	19.01
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	14	19.01
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	4	19.0
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	4	19.0
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	4	19.0
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	17	19.0
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	17	19.0
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	17	19.0
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	12	18.99
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	12	18.99
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	12	18.99
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	16	18.99
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	16	18.99
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	16	18.99
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	1	18.98
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	1	18.98
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	1	18.98
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	2	18.98
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	2	18.98
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	2	18.98
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	5	18.98
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	5	18.98
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	5	18.98
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	15	18.98
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	15	18.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	15	18.98
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	18	18.98
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	18	18.98
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	18	18.98
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	15	18.97
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	15	18.97
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	5	18.97
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	5	18.97
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	5	18.97
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	10	18.97
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	10	18.97
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	10	18.97
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	1	18.97
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	1	18.97
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	1	18.97
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	14	18.97
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	14	18.97
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	14	18.97
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	2	18.97
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	2	18.97
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	2	18.97
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	6	18.97
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	6	18.97
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	6	18.97
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	1	18.96
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	1	18.96
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	12	18.96
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	12	18.96
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	12	18.96
(1,7688)	1:93:A:ILE:HD11	1:19:A:LYS:HG2	9	18.96
(1,7688)	1:93:A:ILE:HD12	1:19:A:LYS:HG2	9	18.96
(1,7688)	1:93:A:ILE:HD13	1:19:A:LYS:HG2	9	18.96
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	1	18.96
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	1	18.96
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	1	18.96
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	18	18.95
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	19	18.95
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	19	18.95
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	19	18.95
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	8	18.95
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	8	18.95
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	8	18.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	1	18.94
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	3	18.94
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	3	18.94
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	3	18.94
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	10	18.94
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	10	18.94
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	10	18.94
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	8	18.94
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	8	18.94
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	8	18.94
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	8	18.94
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	8	18.94
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	8	18.94
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	11	18.93
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	11	18.93
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	11	18.93
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	16	18.93
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	16	18.93
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	16	18.93
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	16	18.93
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	16	18.93
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	16	18.93
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	16	18.93
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	16	18.93
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	16	18.93
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	3	18.93
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	3	18.93
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	3	18.93
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	7	18.93
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	7	18.93
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	7	18.93
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	15	18.92
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	18	18.92
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	18	18.92
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	18	18.92
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	13	18.92
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	13	18.92
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	13	18.92
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	10	18.92
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	10	18.92
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	10	18.92
(1,7696)	1:93:A:ILE:HG21	1:19:A:LYS:HB3	9	18.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7696)	1:93:A:ILE:HG22	1:19:A:LYS:HB3	9	18.91
(1,7696)	1:93:A:ILE:HG23	1:19:A:LYS:HB3	9	18.91
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	11	18.91
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	3	18.91
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	18	18.91
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	15	18.91
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	15	18.91
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	15	18.91
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	15	18.91
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	15	18.91
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	15	18.91
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	10	18.9
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	10	18.9
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	3	18.9
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	4	18.9
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	4	18.9
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	4	18.9
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	12	18.9
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	12	18.9
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	12	18.9
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	5	18.9
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	5	18.9
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	5	18.9
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	18	18.89
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	17	18.89
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	17	18.89
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	17	18.89
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	17	18.89
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	17	18.89
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	17	18.89
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	4	18.89
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	4	18.89
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	4	18.89
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	4	18.88
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	20	18.88
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	20	18.88
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	20	18.88
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG21	12	18.87
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG22	12	18.87
(1,7502)	1:23:A:ASN:HB3	1:90:A:THR:HG23	12	18.87
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	18	18.87
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	18	18.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	18	18.87
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	12	18.87
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	12	18.87
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	12	18.87
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	4	18.86
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	6	18.86
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	6	18.86
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	6	18.86
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	13	18.86
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	13	18.86
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	13	18.86
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	4	18.85
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	4	18.85
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	11	18.85
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	11	18.85
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	8	18.85
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	8	18.85
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	8	18.85
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	6	18.85
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	6	18.85
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	6	18.85
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	6	18.85
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	6	18.85
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	6	18.85
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	3	18.85
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	3	18.85
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	3	18.85
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	19	18.84
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	19	18.84
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	19	18.84
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	19	18.84
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	19	18.84
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	19	18.84
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	14	18.84
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	19	18.84
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	2	18.84
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	2	18.84
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	2	18.84
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	19	18.84
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	19	18.84
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	19	18.84
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	3	18.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	3	18.84
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	3	18.84
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	20	18.84
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	20	18.84
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	20	18.84
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	20	18.84
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	20	18.84
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	20	18.84
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	11	18.84
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	11	18.84
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	11	18.84
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	8	18.83
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	16	18.83
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	13	18.83
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	13	18.83
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	13	18.83
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	15	18.83
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	15	18.83
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	15	18.83
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	10	18.82
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	17	18.82
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	18	18.82
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	18	18.82
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	18	18.82
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	6	18.81
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	6	18.81
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	6	18.81
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	6	18.81
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	6	18.81
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	6	18.81
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	12	18.81
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	6	18.81
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	6	18.81
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	6	18.81
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	1	18.81
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	1	18.81
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	1	18.81
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	1	18.81
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	1	18.81
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	1	18.81
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	14	18.8
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	14	18.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	14	18.8
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	14	18.8
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	14	18.8
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	14	18.8
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	11	18.8
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	15	18.8
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	15	18.8
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	15	18.8
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	14	18.8
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	14	18.8
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	14	18.8
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG21	9	18.8
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG22	9	18.8
(1,7482)	1:19:A:LYS:HG3	1:93:A:ILE:HG23	9	18.8
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	4	18.8
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	4	18.8
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	4	18.8
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	2	18.79
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	2	18.79
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	7	18.79
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	13	18.79
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	12	18.79
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	12	18.79
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	12	18.79
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	20	18.78
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	20	18.78
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	11	18.78
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	13	18.78
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	4	18.78
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	4	18.78
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	4	18.78
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	20	18.77
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	20	18.77
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	20	18.77
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	3	18.76
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	15	18.76
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	6	18.76
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	20	18.76
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	8	18.76
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD11	9	18.76
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD12	9	18.76
(1,7478)	1:19:A:LYS:HG2	1:93:A:ILE:HD13	9	18.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	8	18.75
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	8	18.75
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	8	18.75
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	8	18.75
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	8	18.75
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	8	18.75
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	17	18.75
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	17	18.75
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	17	18.75
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	17	18.75
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	17	18.75
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	17	18.75
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	20	18.75
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	20	18.75
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	20	18.75
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	20	18.75
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	20	18.75
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	20	18.75
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	20	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	8	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	8	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	8	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	17	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	17	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	17	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	20	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	20	18.75
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	20	18.75
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	9	18.75
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	9	18.75
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	9	18.75
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	10	18.75
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	10	18.75
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	10	18.75
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	10	18.75
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	10	18.75
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	10	18.75
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	4	18.74
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	2	18.74
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	14	18.74
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	16	18.74
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	3	18.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	3	18.73
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	5	18.73
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	5	18.73
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	5	18.73
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	5	18.73
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	5	18.73
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	5	18.73
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG21	5	18.72
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG22	5	18.72
(1,7488)	1:20:A:ALA:H	1:93:A:ILE:HG23	5	18.72
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	7	18.71
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	7	18.71
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	7	18.71
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	7	18.71
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	7	18.71
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	7	18.71
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	16	18.71
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	16	18.71
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	16	18.71
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	16	18.71
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	16	18.71
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	16	18.71
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	7	18.71
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	7	18.71
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	7	18.71
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	16	18.71
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	16	18.71
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	16	18.71
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	5	18.7
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	5	18.7
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	5	18.7
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	5	18.7
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	5	18.7
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	5	18.7
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	6	18.7
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	19	18.7
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	5	18.7
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	5	18.7
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	5	18.7
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	19	18.7
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	19	18.7
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	19	18.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	19	18.7
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	19	18.7
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	19	18.7
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	1	18.69
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	1	18.69
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	1	18.69
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	1	18.69
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	1	18.69
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	1	18.69
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	9	18.69
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	9	18.69
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	9	18.69
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	9	18.69
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	9	18.69
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	9	18.69
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	13	18.69
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	13	18.69
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	13	18.69
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	13	18.69
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	13	18.69
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	13	18.69
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	5	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	1	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	1	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	1	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	9	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	9	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	9	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	13	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	13	18.69
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	13	18.69
(1,7616)	1:78:A:GLN:HE21	1:90:A:THR:HA	9	18.68
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	18	18.68
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	18	18.68
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	18	18.68
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	18	18.68
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	18	18.68
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	18	18.68
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	19	18.67
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	19	18.67
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	5	18.67
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG21	12	18.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG22	12	18.67
(1,7513)	1:23:A:ASN:HD22	1:90:A:THR:HG23	12	18.67
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	3	18.66
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	3	18.66
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	3	18.66
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	3	18.66
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	3	18.66
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	3	18.66
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	17	18.66
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	3	18.66
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	3	18.66
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	3	18.66
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	9	18.65
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	9	18.65
(1,7625)	1:78:A:GLN:HE22	1:90:A:THR:HA	12	18.65
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	7	18.65
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	11	18.63
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	11	18.63
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	11	18.63
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	11	18.63
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	11	18.63
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	11	18.63
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	18	18.63
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	18	18.63
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	18	18.63
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	18	18.63
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	18	18.63
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	18	18.63
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	11	18.63
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	11	18.63
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	11	18.63
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	18	18.63
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	18	18.63
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	18	18.63
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	11	18.63
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	11	18.63
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	11	18.63
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	11	18.63
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	11	18.63
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	11	18.63
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	4	18.59
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	4	18.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	4	18.59
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	4	18.59
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	4	18.59
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	4	18.59
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	10	18.59
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	10	18.59
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	10	18.59
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	10	18.59
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	10	18.59
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	10	18.59
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	4	18.59
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	4	18.59
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	4	18.59
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	10	18.59
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	10	18.59
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	10	18.59
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	12	18.58
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	12	18.58
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	5	18.56
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	5	18.56
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	9	18.55
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	14	18.54
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	14	18.54
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	14	18.54
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	14	18.54
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	14	18.54
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	14	18.54
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	14	18.54
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	14	18.54
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	15	18.54
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	15	18.54
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	15	18.54
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	15	18.54
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	15	18.54
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	15	18.54
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	7	18.53
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	7	18.53
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	7	18.52
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	7	18.52
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	7	18.52
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	7	18.52
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	7	18.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	7	18.52
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	16	18.51
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	16	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	7	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	7	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	7	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	11	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	11	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	11	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	17	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	17	18.51
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	17	18.51
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	15	18.5
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	15	18.5
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	15	18.5
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	15	18.5
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	15	18.5
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	15	18.5
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	15	18.5
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	15	18.5
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	15	18.5
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	2	18.49
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	19	18.49
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	13	18.49
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	13	18.49
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	13	18.49
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	13	18.49
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	13	18.49
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	13	18.49
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	17	18.48
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	17	18.48
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	4	18.48
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	4	18.48
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	4	18.48
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	4	18.48
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	4	18.48
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	4	18.48
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	15	18.47
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	10	18.47
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	10	18.47
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	10	18.47
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	9	18.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	9	18.46
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	16	18.46
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	16	18.46
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	16	18.46
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	2	18.45
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	2	18.45
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	2	18.45
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	2	18.45
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	2	18.45
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	2	18.45
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	2	18.45
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	2	18.45
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	2	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	1	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	1	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	1	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	2	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	2	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	2	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	14	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	14	18.45
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	14	18.45
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	12	18.44
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	7	18.42
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	16	18.42
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	19	18.41
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	19	18.41
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	19	18.41
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	13	18.4
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	3	18.4
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	3	18.4
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	3	18.4
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	3	18.4
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	3	18.4
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	3	18.4
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	15	18.4
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	15	18.4
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	15	18.4
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD21	12	18.39
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD21	12	18.39
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD21	12	18.39
(1,7679)	1:90:A:THR:HG21	1:23:A:ASN:HD22	12	18.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7679)	1:90:A:THR:HG22	1:23:A:ASN:HD22	12	18.39
(1,7679)	1:90:A:THR:HG23	1:23:A:ASN:HD22	12	18.39
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	14	18.39
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG21	12	18.39
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG22	12	18.39
(1,7507)	1:23:A:ASN:HD21	1:90:A:THR:HG23	12	18.39
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	13	18.38
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	13	18.38
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	8	18.37
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	8	18.37
(1,7732)	1:101:A:SER:HB2	1:14:A:ARG:HB2	12	18.36
(1,7732)	1:101:A:SER:HB3	1:14:A:ARG:HB2	12	18.36
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	10	18.36
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	9	18.36
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	9	18.36
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	9	18.36
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	9	18.36
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	9	18.36
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	9	18.36
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	9	18.35
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	17	18.35
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	8	18.35
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	8	18.35
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	8	18.35
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	18	18.34
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	18	18.34
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	18	18.34
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	18	18.34
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	18	18.34
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	6	18.33
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	8	18.32
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	6	18.32
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	6	18.32
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	6	18.32
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	4	18.3
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	4	18.3
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	4	18.3
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	2	18.29
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	2	18.29
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	2	18.29
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	2	18.29
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	2	18.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	2	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	3	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	3	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	3	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	12	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	12	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	12	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	13	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	13	18.29
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	13	18.29
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	10	18.28
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	20	18.28
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	20	18.28
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	20	18.28
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	20	18.27
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	5	18.26
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	10	18.25
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	10	18.25
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	2	18.24
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	11	18.23
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	11	18.23
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	11	18.23
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	4	18.2
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	4	18.2
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	14	18.2
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	14	18.2
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	14	18.2
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	15	18.19
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	15	18.19
(1,7614)	1:78:A:GLN:HE21	1:89:A:ASP:HA	2	18.19
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	17	18.19
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	17	18.19
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	17	18.19
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	1	18.18
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	1	18.18
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	5	18.18
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	5	18.18
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	5	18.18
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	6	18.17
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	6	18.17
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	6	18.17
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	19	18.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	19	18.17
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	19	18.17
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	2	18.17
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	2	18.17
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	2	18.17
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	16	18.17
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	16	18.17
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	16	18.17
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG21	12	18.16
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG22	12	18.16
(1,7485)	1:19:A:LYS:HE2	1:90:A:THR:HG23	12	18.16
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG21	12	18.16
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG22	12	18.16
(1,7485)	1:19:A:LYS:HE3	1:90:A:THR:HG23	12	18.16
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG21	9	18.16
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG22	9	18.16
(1,7472)	1:19:A:LYS:H	1:93:A:ILE:HG23	9	18.16
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	19	18.14
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	19	18.14
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	19	18.14
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	19	18.13
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	19	18.13
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	19	18.13
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	17	18.12
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	17	18.12
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	17	18.12
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	10	18.12
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	10	18.12
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	10	18.12
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	14	18.12
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	14	18.12
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	14	18.12
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	7	18.11
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	7	18.11
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	7	18.11
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	8	18.11
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	8	18.11
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	8	18.11
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	19	18.1
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	19	18.1
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	11	18.1
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	11	18.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	11	18.1
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	11	18.1
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	11	18.1
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	11	18.1
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	9	18.1
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	9	18.1
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	9	18.1
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	17	18.1
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	17	18.1
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	17	18.1
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	1	18.1
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	1	18.1
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	1	18.1
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	20	18.09
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	20	18.09
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	16	18.09
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	16	18.09
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	16	18.09
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	13	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	13	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	13	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	16	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	16	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	16	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	20	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	20	18.08
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	20	18.08
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	6	18.08
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	6	18.08
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	6	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	6	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	6	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	6	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	7	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	7	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	7	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	20	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	20	18.08
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	20	18.08
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	2	18.06
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	2	18.06
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	3	18.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	3	18.06
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	14	18.06
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	14	18.06
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	14	18.06
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	17	18.05
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	17	18.05
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	17	18.05
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	17	18.05
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	17	18.05
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	17	18.05
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	1	18.05
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	1	18.05
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	1	18.05
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	8	18.05
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	8	18.05
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	8	18.05
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	15	18.04
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	15	18.04
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	15	18.04
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	11	18.03
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	11	18.03
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	5	18.03
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	5	18.03
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	5	18.03
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	2	18.03
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	2	18.03
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	2	18.03
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	2	18.02
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	2	18.02
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	2	18.02
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	2	18.02
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	2	18.02
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	2	18.02
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	14	18.02
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	14	18.02
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	14	18.02
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	14	18.02
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	14	18.02
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	14	18.02
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	5	18.02
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	5	18.02
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	5	18.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	8	18.02
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	8	18.02
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	8	18.02
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	16	18.01
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	16	18.01
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	16	18.01
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	16	18.01
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	16	18.01
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	16	18.01
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	19	18.01
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	19	18.01
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	19	18.01
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	19	18.01
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	19	18.01
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	19	18.01
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	18	18.01
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	1	18.01
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	1	18.01
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	1	18.01
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	13	18.0
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	7	17.99
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	7	17.99
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	7	17.99
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	7	17.99
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	7	17.99
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	7	17.99
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	3	17.99
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	3	17.99
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	3	17.99
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	18	17.99
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	18	17.99
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	18	17.99
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	20	17.99
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	20	17.99
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	20	17.99
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	10	17.98
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	10	17.98
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	10	17.98
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	18	17.98
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	18	17.98
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	18	17.98
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	1	17.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	16	17.97
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	19	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	3	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	3	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	3	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	4	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	4	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	4	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	5	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	5	17.97
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	5	17.97
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	1	17.96
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	1	17.96
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	1	17.96
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	1	17.96
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	1	17.96
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	1	17.96
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	6	17.96
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	6	17.96
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	6	17.96
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	6	17.96
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	6	17.96
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	6	17.96
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	11	17.96
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	11	17.96
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	11	17.96
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	7	17.96
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	7	17.96
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	7	17.96
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	10	17.95
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	10	17.95
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	10	17.95
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	4	17.94
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	4	17.94
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	4	17.94
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	13	17.94
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	13	17.94
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	13	17.94
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	10	17.93
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	10	17.93
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	10	17.93
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	10	17.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	10	17.93
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	10	17.93
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	20	17.92
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	20	17.92
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	20	17.92
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	20	17.92
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	20	17.92
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	20	17.92
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	8	17.91
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	8	17.91
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	8	17.91
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	8	17.91
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	8	17.91
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	8	17.91
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	15	17.91
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	15	17.91
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	15	17.91
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	15	17.91
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	15	17.91
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	15	17.91
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	11	17.91
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	11	17.91
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	11	17.91
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	11	17.91
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	11	17.9
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	11	17.9
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	11	17.9
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	11	17.9
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	11	17.9
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	11	17.9
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	3	17.89
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	3	17.89
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	3	17.89
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	13	17.89
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	13	17.89
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	13	17.89
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	2	17.88
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	2	17.88
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	2	17.88
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	18	17.88
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	18	17.88
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	18	17.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	6	17.87
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	6	17.87
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	18	17.87
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	18	17.87
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	18	17.87
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	18	17.87
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	18	17.87
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	18	17.87
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	5	17.86
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	5	17.86
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	5	17.86
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	5	17.86
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	5	17.86
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	5	17.86
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	7	17.86
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	14	17.86
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	7	17.85
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	7	17.85
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	16	17.85
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	16	17.85
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	3	17.85
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	3	17.85
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	3	17.85
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	3	17.85
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	3	17.85
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	3	17.85
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	4	17.85
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	4	17.85
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	4	17.85
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	4	17.85
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	4	17.85
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	4	17.85
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	10	17.85
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	17	17.85
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	17	17.85
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	17	17.85
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	17	17.85
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	17	17.85
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	17	17.85
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	4	17.85
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	4	17.85
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	4	17.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	15	17.85
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	15	17.85
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	15	17.85
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	13	17.84
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	13	17.84
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	13	17.84
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	13	17.84
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	13	17.84
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	13	17.84
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	15	17.84
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	15	17.84
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	15	17.84
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	12	17.84
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	12	17.84
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	12	17.84
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	5	17.83
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	5	17.83
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	17	17.83
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	17	17.83
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	17	17.83
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	17	17.83
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	17	17.83
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	17	17.83
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	5	17.83
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	17	17.83
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	17	17.83
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	17	17.83
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	17	17.83
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	17	17.83
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	17	17.83
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG21	9	17.83
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG22	9	17.83
(1,7476)	1:19:A:LYS:HB2	1:93:A:ILE:HG23	9	17.83
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	17	17.82
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	17	17.82
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	15	17.82
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG21	12	17.82
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG22	12	17.82
(1,7495)	1:23:A:ASN:H	1:90:A:THR:HG23	12	17.82
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	2	17.82
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	2	17.82
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	2	17.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	2	17.82
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	2	17.82
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	2	17.82
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	14	17.82
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	14	17.82
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	14	17.82
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	14	17.82
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	14	17.82
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	14	17.82
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	12	17.81
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	16	17.81
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	16	17.81
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	16	17.81
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	16	17.81
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	16	17.81
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	16	17.81
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	19	17.81
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	19	17.81
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	19	17.81
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	19	17.81
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	19	17.81
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	19	17.81
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	12	17.8
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	12	17.8
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	12	17.8
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	16	17.79
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	16	17.79
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	16	17.79
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	16	17.79
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	16	17.79
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	16	17.79
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	3	17.79
(1,7627)	1:78:A:GLN:HE22	1:93:A:ILE:HA	4	17.79
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	6	17.79
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	16	17.79
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	16	17.79
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	16	17.79
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	16	17.79
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	16	17.79
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	16	17.79
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	7	17.79
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	7	17.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	7	17.79
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	7	17.79
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	7	17.79
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	7	17.79
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD11	9	17.78
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD12	9	17.78
(1,7481)	1:19:A:LYS:HG3	1:93:A:ILE:HD13	9	17.78
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	12	17.77
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	12	17.77
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	12	17.77
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	12	17.77
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	12	17.77
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	12	17.77
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	20	17.76
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	1	17.76
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	1	17.76
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	1	17.76
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	1	17.76
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	1	17.76
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	1	17.76
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	6	17.76
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	6	17.76
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	6	17.76
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	6	17.76
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	6	17.76
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	6	17.76
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	9	17.75
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	11	17.74
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	11	17.74
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	11	17.74
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	11	17.74
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	11	17.74
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	11	17.74
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	8	17.74
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	11	17.74
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	11	17.74
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	11	17.74
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	11	17.74
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	11	17.74
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	11	17.74
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	17	17.73
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	10	17.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	10	17.73
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	10	17.73
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	10	17.73
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	10	17.73
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	10	17.73
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	20	17.72
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	20	17.72
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	20	17.72
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	20	17.72
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	20	17.72
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	20	17.72
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	8	17.71
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	8	17.71
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	8	17.71
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	8	17.71
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	8	17.71
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	8	17.71
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	15	17.71
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	15	17.71
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	15	17.71
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	15	17.71
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	15	17.71
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	15	17.71
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	1	17.7
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	1	17.7
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	1	17.7
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	1	17.7
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	1	17.7
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	1	17.7
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD2	9	17.7
(1,7698)	1:93:A:ILE:HG21	1:19:A:LYS:HD3	9	17.7
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD2	9	17.7
(1,7698)	1:93:A:ILE:HG22	1:19:A:LYS:HD3	9	17.7
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD2	9	17.7
(1,7698)	1:93:A:ILE:HG23	1:19:A:LYS:HD3	9	17.7
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	1	17.7
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	1	17.7
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	1	17.7
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	1	17.7
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	1	17.7
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	1	17.7
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	10	17.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	10	17.67
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	10	17.67
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	10	17.67
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	10	17.67
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	10	17.67
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	10	17.67
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	10	17.67
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	10	17.67
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	10	17.67
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	10	17.67
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	10	17.67
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	18	17.67
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	18	17.67
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	18	17.67
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	18	17.67
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	18	17.67
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	18	17.67
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	8	17.66
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	8	17.66
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	8	17.66
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	8	17.66
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	8	17.66
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	8	17.66
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	8	17.66
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	8	17.66
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	8	17.66
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	8	17.66
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	8	17.66
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	8	17.66
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	5	17.66
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	5	17.66
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	5	17.66
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	5	17.66
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	5	17.66
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	5	17.66
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	20	17.65
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	20	17.65
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	3	17.65
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	3	17.65
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	3	17.65
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	3	17.65
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	3	17.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	3	17.65
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	4	17.65
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	4	17.65
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	4	17.65
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	4	17.65
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	4	17.65
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	4	17.65
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	8	17.64
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	8	17.64
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	13	17.64
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	13	17.64
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	13	17.64
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	13	17.64
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	13	17.64
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	13	17.64
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	13	17.63
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	13	17.63
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	14	17.63
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	14	17.63
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	6	17.62
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	6	17.62
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	6	17.62
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	6	17.62
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	6	17.62
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	6	17.62
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	19	17.62
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	19	17.62
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	19	17.62
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	19	17.62
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	19	17.62
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	19	17.62
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	6	17.62
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	6	17.62
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	6	17.62
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	6	17.62
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	6	17.62
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	6	17.62
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	6	17.62
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	6	17.62
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	19	17.62
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	19	17.62
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	19	17.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	19	17.62
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	19	17.62
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	19	17.62
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	18	17.61
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	18	17.61
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	18	17.61
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	18	17.61
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	18	17.61
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	18	17.61
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	20	17.61
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	20	17.61
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	20	17.61
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	20	17.61
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	20	17.61
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	20	17.61
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	16	17.61
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	16	17.61
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	18	17.61
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	18	17.61
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	18	17.61
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	18	17.61
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	18	17.61
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	18	17.61
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	20	17.61
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	20	17.61
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	20	17.61
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	20	17.61
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	20	17.61
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	20	17.61
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	6	17.6
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	6	17.6
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	15	17.59
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	15	17.59
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	15	17.59
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	15	17.59
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	15	17.59
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	15	17.59
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	15	17.59
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	15	17.59
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	15	17.59
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	15	17.59
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	15	17.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	15	17.59
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	1	17.58
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	18	17.58
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	12	17.57
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	12	17.57
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	12	17.57
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	12	17.57
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	12	17.57
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	12	17.57
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	17	17.56
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	17	17.56
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	19	17.56
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	19	17.56
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	1	17.55
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	1	17.55
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	5	17.55
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	5	17.55
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	11	17.55
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	7	17.54
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	7	17.54
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	2	17.53
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	2	17.53
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	2	17.53
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	2	17.53
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	2	17.53
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	2	17.53
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	2	17.53
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	2	17.53
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	2	17.53
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	2	17.53
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	2	17.53
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	2	17.53
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	2	17.53
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	5	17.52
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	5	17.52
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	5	17.52
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	5	17.52
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	5	17.52
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	5	17.52
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	5	17.52
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	5	17.52
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	5	17.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	5	17.52
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	5	17.52
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	5	17.52
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	19	17.51
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG21	9	17.5
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG22	9	17.5
(1,7484)	1:19:A:LYS:HD2	1:93:A:ILE:HG23	9	17.5
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG21	9	17.5
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG22	9	17.5
(1,7484)	1:19:A:LYS:HD3	1:93:A:ILE:HG23	9	17.5
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	15	17.5
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	15	17.5
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	16	17.48
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	2	17.48
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	12	17.47
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	15	17.47
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	17	17.46
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	7	17.45
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	7	17.45
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	7	17.45
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	7	17.45
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	7	17.45
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	7	17.45
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	14	17.45
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	7	17.45
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	7	17.45
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	7	17.45
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	7	17.45
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	7	17.45
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	7	17.45
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	9	17.44
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	9	17.44
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	7	17.44
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD2	13	17.43
(1,7729)	1:101:A:SER:H	1:14:A:ARG:HD3	13	17.43
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	4	17.43
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	10	17.43
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	13	17.43
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	11	17.43
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	11	17.43
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	8	17.42
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	18	17.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	18	17.41
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	3	17.41
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	14	17.4
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	14	17.4
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	14	17.4
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	14	17.4
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	14	17.4
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	14	17.4
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	12	17.4
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	14	17.4
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	14	17.4
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	14	17.4
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	14	17.4
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	14	17.4
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	14	17.4
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	1	17.4
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	1	17.4
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	10	17.39
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	10	17.39
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	4	17.38
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	4	17.38
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	4	17.38
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	4	17.38
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	4	17.38
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	4	17.38
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	4	17.38
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	4	17.38
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	4	17.38
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	4	17.38
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	4	17.38
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	4	17.38
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	3	17.37
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	3	17.37
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	6	17.37
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	1	17.37
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	13	17.35
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	13	17.35
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	13	17.35
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	13	17.35
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	13	17.35
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	13	17.35
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	20	17.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	13	17.35
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	13	17.35
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	13	17.35
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	13	17.35
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	13	17.35
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	13	17.35
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	4	17.35
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	4	17.35
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	3	17.34
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	3	17.34
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	3	17.34
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	3	17.34
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	3	17.34
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	3	17.34
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	3	17.34
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	3	17.34
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	3	17.34
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	3	17.34
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	3	17.34
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	3	17.34
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	9	17.33
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	14	17.33
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	14	17.33
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	12	17.32
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	12	17.32
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	12	17.32
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	12	17.32
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	12	17.32
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	12	17.32
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	4	17.32
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	4	17.32
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	12	17.32
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	12	17.32
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	12	17.32
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	12	17.32
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	12	17.32
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	12	17.32
(1,7619)	1:78:A:GLN:HE21	1:93:A:ILE:HA	5	17.31
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	9	17.3
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	9	17.3
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	9	17.3
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	9	17.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	18	17.29
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	19	17.29
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	19	17.29
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	19	17.29
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	2	17.29
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	2	17.29
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	16	17.28
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	16	17.28
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	16	17.28
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	3	17.28
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	3	17.28
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	11	17.27
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	11	17.27
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	11	17.27
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	11	17.27
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	11	17.27
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	11	17.27
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	11	17.26
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	11	17.26
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	15	17.26
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	14	17.26
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	14	17.26
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	14	17.26
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	17	17.26
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	17	17.26
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	17	17.26
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE2	9	17.25
(1,7699)	1:93:A:ILE:HG21	1:19:A:LYS:HE3	9	17.25
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE2	9	17.25
(1,7699)	1:93:A:ILE:HG22	1:19:A:LYS:HE3	9	17.25
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE2	9	17.25
(1,7699)	1:93:A:ILE:HG23	1:19:A:LYS:HE3	9	17.25
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	16	17.25
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	11	17.25
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	11	17.25
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	11	17.25
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG21	9	17.25
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG22	9	17.25
(1,7487)	1:19:A:LYS:HE2	1:93:A:ILE:HG23	9	17.25
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG21	9	17.25
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG22	9	17.25
(1,7487)	1:19:A:LYS:HE3	1:93:A:ILE:HG23	9	17.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	12	17.25
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	12	17.25
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	12	17.25
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	12	17.25
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	14	17.25
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	14	17.25
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	14	17.25
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	14	17.25
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	17	17.24
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	17	17.24
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	17	17.24
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	1	17.24
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	13	17.24
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	2	17.24
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	2	17.24
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	2	17.24
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	6	17.24
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	6	17.24
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	6	17.24
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	17	17.24
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	17	17.24
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	17	17.24
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	10	17.23
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	10	17.23
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	10	17.23
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	19	17.23
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	19	17.23
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	3	17.22
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	14	17.22
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	14	17.22
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	14	17.22
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	14	17.22
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	14	17.22
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	14	17.22
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	19	17.22
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	19	17.22
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	19	17.22
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	19	17.22
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	19	17.22
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	19	17.22
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	1	17.22
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	1	17.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	1	17.22
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	20	17.22
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	20	17.22
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	20	17.22
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	12	17.21
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	19	17.21
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	19	17.21
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	19	17.21
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	19	17.21
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	20	17.21
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	20	17.21
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	2	17.2
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	2	17.2
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	2	17.2
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	18	17.2
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	2	17.2
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	2	17.2
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	2	17.2
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	16	17.19
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	16	17.19
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	16	17.19
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	17	17.19
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	17	17.19
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	17	17.19
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	17	17.19
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	17	17.19
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	17	17.19
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	8	17.19
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	8	17.19
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	8	17.19
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	16	17.19
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	16	17.19
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	16	17.19
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	19	17.18
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	19	17.18
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	19	17.18
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	16	17.18
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	16	17.18
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	16	17.18
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	16	17.18
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	16	17.18
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	16	17.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	19	17.18
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	19	17.18
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	19	17.18
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	7	17.17
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	7	17.17
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	7	17.17
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	10	17.17
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	10	17.17
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	10	17.17
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	14	17.17
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	14	17.17
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	14	17.17
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	4	17.17
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	11	17.17
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	2	17.17
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	2	17.17
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	2	17.17
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	6	17.17
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	6	17.17
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	6	17.17
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	6	17.17
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	6	17.17
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	6	17.17
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	5	17.17
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	5	17.17
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	5	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	7	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	7	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	7	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	10	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	10	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	10	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	14	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	14	17.17
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	14	17.17
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	1	17.16
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	1	17.16
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	1	17.16
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	2	17.16
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	2	17.16
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	2	17.16
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	2	17.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	2	17.16
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	2	17.16
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	7	17.16
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	7	17.16
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	7	17.16
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	1	17.16
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	1	17.16
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	1	17.16
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	6	17.16
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	6	17.16
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	6	17.16
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	6	17.16
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	7	17.16
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	7	17.16
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	10	17.14
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	1	17.14
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	1	17.14
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	1	17.14
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	1	17.14
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	1	17.14
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	1	17.14
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	7	17.14
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	7	17.14
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	7	17.14
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	7	17.14
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	7	17.14
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	7	17.14
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	14	17.13
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	8	17.13
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	8	17.13
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	8	17.13
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	8	17.13
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	8	17.13
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	8	17.13
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	11	17.13
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	11	17.13
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	11	17.13
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	17	17.12
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	17	17.12
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	17	17.12
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	5	17.12
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	5	17.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	5	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	5	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	5	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	5	17.12
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	20	17.12
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	20	17.12
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	20	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	20	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	20	17.12
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	20	17.12
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	3	17.12
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	3	17.12
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	3	17.12
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	15	17.12
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	15	17.12
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	15	17.12
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	15	17.11
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	15	17.11
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	15	17.11
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	14	17.11
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	14	17.11
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	14	17.11
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	4	17.11
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	4	17.11
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	4	17.11
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	13	17.11
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	13	17.11
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	13	17.11
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	15	17.11
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	15	17.11
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	15	17.11
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	5	17.11
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	5	17.11
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	9	17.1
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	9	17.1
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	9	17.1
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	9	17.1
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	6	17.1
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	6	17.1
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	6	17.1
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	5	17.1
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	7	17.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	1	17.1
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	1	17.1
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	1	17.1
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	7	17.1
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	7	17.1
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	7	17.1
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	19	17.1
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	19	17.1
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	19	17.1
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	6	17.1
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	6	17.1
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	6	17.1
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	11	17.1
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	11	17.1
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	11	17.1
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	11	17.1
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	16	17.1
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	16	17.1
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	19	17.09
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	19	17.09
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	19	17.09
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	19	17.09
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	19	17.09
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	19	17.09
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	16	17.09
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	16	17.09
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	16	17.09
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	19	17.09
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	19	17.09
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	19	17.09
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	2	17.08
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	2	17.08
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	2	17.08
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	2	17.08
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	2	17.08
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	2	17.08
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	15	17.08
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	6	17.08
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	6	17.08
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	6	17.08
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	2	17.08
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	2	17.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	2	17.08
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	10	17.08
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	10	17.08
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	10	17.08
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	10	17.08
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	10	17.08
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	10	17.08
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	11	17.08
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	11	17.08
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	11	17.08
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	11	17.08
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	11	17.08
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	11	17.08
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	6	17.08
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	6	17.08
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	6	17.08
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	6	17.08
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	8	17.07
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	8	17.07
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	8	17.07
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	20	17.07
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	20	17.07
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	20	17.07
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	3	17.07
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	15	17.07
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	15	17.07
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	15	17.07
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	18	17.07
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	18	17.07
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	18	17.07
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	2	17.07
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	2	17.07
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	2	17.07
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	18	17.07
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	18	17.07
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	18	17.07
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	8	17.07
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	8	17.07
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	8	17.07
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	20	17.07
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	20	17.07
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	20	17.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	18	17.07
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	18	17.07
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	18	17.07
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	18	17.07
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	14	17.06
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	14	17.06
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	14	17.06
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	14	17.06
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	14	17.06
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	14	17.06
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	6	17.06
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	20	17.06
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	14	17.06
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	14	17.06
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	14	17.06
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	12	17.05
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	12	17.05
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	12	17.05
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	12	17.05
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	14	17.05
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	14	17.05
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	14	17.05
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	14	17.05
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	18	17.05
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	18	17.05
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	18	17.05
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	8	17.05
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	17	17.05
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	3	17.05
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	3	17.05
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	3	17.05
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	3	17.05
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	3	17.05
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	3	17.05
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	3	17.05
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	3	17.05
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	3	17.05
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	13	17.05
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	13	17.05
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	13	17.05
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	13	17.05
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	13	17.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	13	17.05
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	18	17.05
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	18	17.05
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	18	17.05
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	10	17.04
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	10	17.04
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	19	17.04
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	19	17.04
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	14	17.04
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	14	17.04
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	14	17.04
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	4	17.04
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	4	17.04
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	4	17.04
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	4	17.04
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	4	17.04
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	4	17.04
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	15	17.04
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	15	17.04
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	15	17.04
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	15	17.04
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	15	17.04
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	15	17.04
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	10	17.03
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	10	17.03
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	10	17.03
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	12	17.03
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	12	17.03
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	12	17.03
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	8	17.03
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	8	17.03
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	8	17.03
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	8	17.03
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	3	17.02
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	3	17.02
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	3	17.02
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	11	17.02
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	18	17.02
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	18	17.02
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	18	17.02
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	18	17.02
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	18	17.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	18	17.02
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	3	17.02
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	3	17.02
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	3	17.02
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	15	17.02
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	15	17.02
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	15	17.02
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	15	17.02
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	18	17.02
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	18	17.02
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	4	17.01
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	4	17.01
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	4	17.01
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	13	17.01
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	13	17.01
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	13	17.01
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	6	17.01
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	6	17.01
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	6	17.01
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	6	17.01
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	6	17.01
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	6	17.01
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	7	17.01
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	7	17.01
(1,7626)	1:78:A:GLN:HE22	1:92:A:SER:HB2	4	17.01
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	13	17.01
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	13	17.01
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	13	17.01
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	20	17.01
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	20	17.01
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	20	17.01
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	6	17.01
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	6	17.01
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	6	17.01
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	4	17.01
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	4	17.01
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	4	17.01
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	13	17.01
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	13	17.01
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	13	17.01
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	6	17.0
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	6	17.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	6	17.0
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	9	17.0
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	9	17.0
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	9	17.0
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	17	17.0
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	17	17.0
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	14	16.99
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	14	16.99
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	13	16.99
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	13	16.99
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	5	16.98
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	5	16.98
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	5	16.98
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	12	16.98
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	12	16.98
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	12	16.98
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	13	16.98
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	13	16.98
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	13	16.98
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	13	16.98
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	13	16.98
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	13	16.98
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	16	16.98
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	16	16.98
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	8	16.98
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	8	16.98
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	8	16.98
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	13	16.98
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	13	16.98
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	13	16.98
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	13	16.98
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	13	16.98
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	13	16.98
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD11	12	16.98
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD12	12	16.98
(1,7475)	1:19:A:LYS:HB2	1:93:A:ILE:HD13	12	16.98
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	5	16.98
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	5	16.98
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	5	16.98
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	12	16.98
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	12	16.98
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	12	16.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	13	16.97
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	13	16.97
(1,7618)	1:78:A:GLN:HE21	1:92:A:SER:HB2	9	16.97
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	5	16.97
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	5	16.97
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	5	16.97
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	9	16.97
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	9	16.97
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	9	16.97
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	6	16.96
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	6	16.96
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	6	16.96
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	6	16.96
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	12	16.96
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	12	16.96
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	12	16.96
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	12	16.96
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	12	16.96
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	12	16.96
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	2	16.96
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	2	16.96
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	6	16.96
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	6	16.96
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	17	16.96
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	17	16.96
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG21	4	16.96
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG22	4	16.96
(1,7509)	1:23:A:ASN:HD21	1:93:A:ILE:HG23	4	16.96
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	9	16.96
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	9	16.96
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	9	16.96
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	12	16.96
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	12	16.96
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	12	16.96
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	15	16.96
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	15	16.96
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	15	16.96
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	15	16.96
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	1	16.95
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	1	16.95
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	1	16.95
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	1	16.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	1	16.95
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	1	16.95
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	7	16.95
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	7	16.95
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	7	16.95
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	7	16.95
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	7	16.95
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	7	16.95
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	9	16.95
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	9	16.95
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	9	16.95
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	9	16.95
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	9	16.95
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	9	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	1	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	1	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	1	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	7	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	7	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	7	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	9	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	9	16.95
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	9	16.95
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	12	16.95
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	12	16.95
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	12	16.95
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	12	16.95
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	12	16.95
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	12	16.95
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	3	16.95
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	3	16.95
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	3	16.95
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	3	16.95
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	8	16.95
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	8	16.95
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	16	16.94
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	16	16.94
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	16	16.94
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	16	16.94
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	16	16.94
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	16	16.94
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	17	16.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	17	16.94
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	17	16.94
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	17	16.94
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	17	16.94
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	17	16.94
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	16	16.94
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	16	16.94
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	16	16.94
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	17	16.94
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	17	16.94
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	17	16.94
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	8	16.93
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	8	16.93
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	9	16.93
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	9	16.93
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	16	16.93
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	16	16.93
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	16	16.93
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	16	16.93
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	16	16.93
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	16	16.93
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	5	16.92
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	5	16.92
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	5	16.92
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	5	16.92
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	5	16.92
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	5	16.92
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	5	16.92
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	5	16.92
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	5	16.92
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	5	16.92
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	5	16.92
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	5	16.92
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	19	16.92
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	19	16.92
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	19	16.92
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	19	16.92
(1,7695)	1:93:A:ILE:HG21	1:19:A:LYS:HA	9	16.91
(1,7695)	1:93:A:ILE:HG22	1:19:A:LYS:HA	9	16.91
(1,7695)	1:93:A:ILE:HG23	1:19:A:LYS:HA	9	16.91
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	3	16.91
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	3	16.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	3	16.91
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	3	16.91
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	3	16.91
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	3	16.91
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	18	16.91
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	18	16.91
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	18	16.91
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	18	16.91
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	18	16.91
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	18	16.91
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	1	16.91
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	1	16.91
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	1	16.91
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	7	16.91
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	7	16.91
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	7	16.91
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	3	16.91
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	3	16.91
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	3	16.91
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	18	16.91
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	18	16.91
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	18	16.91
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD11	9	16.91
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD12	9	16.91
(1,7483)	1:19:A:LYS:HD2	1:93:A:ILE:HD13	9	16.91
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD11	9	16.91
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD12	9	16.91
(1,7483)	1:19:A:LYS:HD3	1:93:A:ILE:HD13	9	16.91
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG21	9	16.91
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG22	9	16.91
(1,7474)	1:19:A:LYS:HA	1:93:A:ILE:HG23	9	16.91
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	11	16.9
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	11	16.9
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	11	16.9
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	11	16.9
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	17	16.9
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	17	16.9
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	17	16.9
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	1	16.9
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	1	16.9
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	1	16.9
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	1	16.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	10	16.9
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	10	16.9
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	10	16.9
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	10	16.9
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	8	16.89
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	8	16.89
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	8	16.89
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	8	16.89
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	8	16.89
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	8	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	3	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	3	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	3	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	12	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	12	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	12	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	16	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	16	16.89
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	16	16.89
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	8	16.89
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	8	16.89
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	8	16.89
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	17	16.89
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	17	16.89
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	17	16.89
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	17	16.89
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	17	16.89
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	17	16.89
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	6	16.88
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	6	16.88
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	6	16.88
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	6	16.88
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	11	16.88
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	11	16.88
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	11	16.88
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	11	16.88
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	11	16.88
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	11	16.88
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	10	16.88
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	10	16.88
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	10	16.88
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	10	16.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	10	16.88
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	10	16.88
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	20	16.88
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	20	16.88
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	20	16.88
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	20	16.88
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	20	16.88
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	20	16.88
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	20	16.88
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	20	16.88
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	20	16.88
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	10	16.88
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	10	16.88
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	10	16.88
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	20	16.88
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	20	16.88
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	20	16.88
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	18	16.87
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	18	16.87
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	18	16.87
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	18	16.87
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	17	16.87
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	17	16.87
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	17	16.87
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	17	16.87
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	17	16.87
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	17	16.87
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	11	16.87
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	11	16.87
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	11	16.87
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	11	16.87
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	11	16.87
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	11	16.87
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	18	16.87
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	18	16.87
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	18	16.87
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	11	16.87
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	11	16.87
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	11	16.87
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	4	16.87
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	4	16.87
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	4	16.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	4	16.87
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	5	16.86
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	5	16.86
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	20	16.86
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	20	16.86
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	11	16.86
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	11	16.86
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	11	16.86
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	11	16.86
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	8	16.85
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	8	16.85
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	8	16.85
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	8	16.85
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	8	16.85
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	8	16.85
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	8	16.85
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	8	16.85
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	8	16.85
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	19	16.84
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	19	16.84
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	19	16.84
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	19	16.84
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	19	16.84
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	19	16.84
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	8	16.83
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	8	16.83
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	8	16.83
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	8	16.83
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	16	16.83
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	16	16.83
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	16	16.83
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	16	16.83
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	16	16.83
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	16	16.83
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	4	16.83
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	4	16.83
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	4	16.83
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	4	16.83
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	4	16.83
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	4	16.83
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	10	16.83
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	10	16.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	10	16.83
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	11	16.83
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	11	16.83
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	11	16.83
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	4	16.83
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	4	16.83
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	4	16.83
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	1	16.83
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	1	16.83
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	1	16.83
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	1	16.83
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	1	16.83
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	1	16.83
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	15	16.82
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	15	16.82
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	15	16.82
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	15	16.82
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	2	16.82
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	2	16.82
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	2	16.82
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	2	16.82
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	2	16.82
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	2	16.82
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB2	15	16.81
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB2	15	16.81
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB2	15	16.81
(1,7692)	1:93:A:ILE:HD11	1:23:A:ASN:HB3	15	16.81
(1,7692)	1:93:A:ILE:HD12	1:23:A:ASN:HB3	15	16.81
(1,7692)	1:93:A:ILE:HD13	1:23:A:ASN:HB3	15	16.81
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD11	15	16.81
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD12	15	16.81
(1,7501)	1:23:A:ASN:HB2	1:93:A:ILE:HD13	15	16.81
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	4	16.81
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	4	16.81
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	4	16.81
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	4	16.81
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	7	16.81
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	7	16.81
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	7	16.81
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	7	16.81
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	14	16.8
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	14	16.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	14	16.8
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	14	16.8
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	14	16.8
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	14	16.8
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	4	16.79
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	4	16.79
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	4	16.79
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	6	16.79
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	6	16.79
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	6	16.79
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	6	16.79
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	6	16.79
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	6	16.79
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	1	16.78
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	1	16.78
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	1	16.78
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	1	16.78
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	1	16.78
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	1	16.78
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	7	16.78
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	7	16.78
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	7	16.78
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	7	16.78
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	7	16.78
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	7	16.78
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	6	16.77
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	6	16.77
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	6	16.77
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	6	16.77
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	6	16.77
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	6	16.77
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	10	16.77
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	10	16.77
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	10	16.77
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	10	16.77
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	10	16.77
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	10	16.77
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	19	16.77
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	19	16.77
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	19	16.77
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	19	16.77
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	15	16.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	15	16.76
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	15	16.76
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	15	16.76
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	10	16.76
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	10	16.76
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	10	16.76
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	10	16.76
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	10	16.76
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	10	16.76
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD11	15	16.76
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD12	15	16.76
(1,7503)	1:23:A:ASN:HB3	1:93:A:ILE:HD13	15	16.76
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	3	16.75
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	3	16.75
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	3	16.75
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	3	16.75
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	19	16.75
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	19	16.75
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	19	16.75
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	19	16.75
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	19	16.75
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	19	16.75
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	20	16.75
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	20	16.75
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	20	16.75
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	20	16.75
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	20	16.75
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	20	16.75
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	1	16.75
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	1	16.75
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	1	16.75
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	1	16.75
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	2	16.75
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	2	16.75
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	2	16.75
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	2	16.75
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	3	16.75
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	3	16.75
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	3	16.75
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	3	16.75
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	8	16.74
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	8	16.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	8	16.74
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	8	16.74
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	8	16.74
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	8	16.74
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	20	16.74
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	20	16.74
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	20	16.74
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	20	16.74
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	12	16.74
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	12	16.74
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	5	16.73
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	5	16.73
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	5	16.73
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	5	16.73
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	5	16.73
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	5	16.73
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	19	16.72
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	19	16.72
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	19	16.72
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	19	16.72
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	20	16.72
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	20	16.72
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	20	16.72
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	20	16.72
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	20	16.72
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	20	16.72
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	5	16.72
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	5	16.72
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	5	16.72
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	5	16.72
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	14	16.71
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	14	16.71
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	14	16.71
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	14	16.71
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	14	16.71
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	14	16.71
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	10	16.71
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	10	16.71
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	10	16.71
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	10	16.71
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	1	16.7
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	1	16.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	1	16.7
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	1	16.7
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	10	16.7
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	10	16.7
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	10	16.7
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	10	16.7
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	15	16.7
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	15	16.7
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	15	16.7
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	15	16.7
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	15	16.7
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	15	16.7
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	19	16.7
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	19	16.7
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	19	16.7
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	19	16.7
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	19	16.7
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	19	16.7
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	18	16.7
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	18	16.7
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	18	16.7
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	18	16.7
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	18	16.7
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	18	16.7
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	2	16.7
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	2	16.7
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	2	16.7
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	2	16.7
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	18	16.69
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	18	16.69
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	18	16.69
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	18	16.69
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	18	16.69
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	18	16.69
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB2	9	16.69
(1,7469)	1:14:A:ARG:H	1:101:A:SER:HB3	9	16.69
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	6	16.68
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	6	16.68
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	6	16.68
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	6	16.68
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	6	16.68
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	6	16.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	16	16.68
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	16	16.68
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	16	16.68
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	16	16.68
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	4	16.67
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	4	16.67
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	4	16.67
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	4	16.67
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	5	16.67
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	5	16.67
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	5	16.67
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	5	16.67
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	5	16.67
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	5	16.67
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	11	16.67
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	11	16.67
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	11	16.67
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	11	16.67
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	11	16.67
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	11	16.67
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	11	16.66
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	11	16.66
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	11	16.66
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	11	16.66
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	3	16.65
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	3	16.65
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	3	16.65
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	3	16.65
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	3	16.65
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	3	16.65
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	13	16.65
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	13	16.65
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	13	16.65
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	13	16.65
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	13	16.65
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	13	16.65
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	15	16.65
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	15	16.65
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	15	16.65
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	15	16.65
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	15	16.65
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	15	16.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	4	16.62
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	4	16.62
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	4	16.62
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	4	16.62
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	4	16.62
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	4	16.62
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	9	16.62
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	9	16.62
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	9	16.62
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	9	16.62
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	9	16.62
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	9	16.62
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	2	16.62
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	2	16.62
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	2	16.62
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	2	16.62
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	2	16.62
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	2	16.62
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	4	16.61
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	4	16.61
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	4	16.61
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	4	16.61
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	7	16.61
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	7	16.61
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	7	16.61
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	7	16.61
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	12	16.61
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	12	16.61
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	12	16.61
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	12	16.61
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	12	16.61
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	12	16.61
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	13	16.61
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	13	16.61
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	13	16.61
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	13	16.61
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	13	16.61
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	13	16.61
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	20	16.61
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	20	16.61
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	20	16.61
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	20	16.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	20	16.61
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	20	16.61
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	17	16.6
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	17	16.6
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	17	16.6
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	17	16.6
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	17	16.6
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	17	16.6
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	20	16.6
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	20	16.6
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	20	16.6
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	5	16.6
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	5	16.6
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	5	16.6
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	5	16.6
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	7	16.6
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	7	16.6
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	7	16.6
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	7	16.6
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	8	16.59
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	8	16.59
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	8	16.59
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	8	16.59
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	8	16.59
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	8	16.59
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	7	16.58
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	7	16.58
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	7	16.58
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	7	16.58
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	7	16.58
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	7	16.58
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	16	16.58
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	16	16.58
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	16	16.58
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	16	16.58
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	19	16.57
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	19	16.57
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	19	16.57
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	19	16.57
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	5	16.57
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	5	16.57
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	5	16.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	5	16.57
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	5	16.57
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	5	16.57
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	6	16.57
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	6	16.57
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	6	16.57
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	1	16.55
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	1	16.55
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	1	16.55
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	1	16.55
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	2	16.55
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	2	16.55
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	2	16.55
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	2	16.55
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	3	16.55
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	3	16.55
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	3	16.55
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	3	16.55
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG2	9	16.55
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG2	9	16.55
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG2	9	16.55
(1,7697)	1:93:A:ILE:HG21	1:19:A:LYS:HG3	9	16.55
(1,7697)	1:93:A:ILE:HG22	1:19:A:LYS:HG3	9	16.55
(1,7697)	1:93:A:ILE:HG23	1:19:A:LYS:HG3	9	16.55
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	16	16.55
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	16	16.55
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	16	16.55
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	16	16.55
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	16	16.55
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	16	16.55
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	14	16.55
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	14	16.55
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	14	16.55
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	13	16.55
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	13	16.55
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	13	16.55
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	13	16.55
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	20	16.54
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	20	16.54
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	20	16.54
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	20	16.54
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	1	16.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	1	16.53
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	1	16.53
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	1	16.53
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	1	16.53
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	1	16.53
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	14	16.53
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	14	16.53
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	14	16.53
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	14	16.53
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	14	16.53
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	14	16.53
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	5	16.52
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	5	16.52
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	5	16.52
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	5	16.52
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	7	16.52
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	7	16.52
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	7	16.52
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	7	16.52
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	7	16.52
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	7	16.52
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	10	16.51
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	10	16.51
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	10	16.51
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	10	16.51
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	4	16.51
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	4	16.51
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	4	16.51
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	4	16.51
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	4	16.51
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	4	16.51
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	2	16.5
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	2	16.5
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	2	16.5
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	2	16.5
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	3	16.5
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	3	16.5
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	3	16.5
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	3	16.5
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	3	16.5
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	3	16.5
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	19	16.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	19	16.5
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	19	16.5
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	13	16.5
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	13	16.5
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	13	16.5
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	13	16.5
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	13	16.5
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	13	16.5
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	10	16.49
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	10	16.49
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	18	16.49
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	18	16.49
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	18	16.49
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	18	16.49
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	18	16.49
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	18	16.49
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	18	16.49
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	18	16.49
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	10	16.49
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	10	16.49
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	10	16.49
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	16	16.48
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	16	16.48
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	16	16.48
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	16	16.48
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	10	16.48
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	10	16.48
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	10	16.48
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	10	16.48
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	10	16.48
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	10	16.48
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	13	16.48
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	13	16.48
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	13	16.48
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	20	16.48
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	20	16.48
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	20	16.48
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	20	16.48
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	11	16.47
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	11	16.47
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	11	16.47
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	11	16.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	11	16.47
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	11	16.47
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	1	16.47
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	1	16.47
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	3	16.47
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	3	16.47
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	3	16.47
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	3	16.47
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	3	16.47
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	3	16.47
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	17	16.47
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	17	16.47
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	17	16.47
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	17	16.47
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	8	16.46
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	8	16.46
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	8	16.46
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	15	16.44
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	15	16.44
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	4	16.44
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	4	16.44
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	4	16.44
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	4	16.44
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	4	16.44
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	4	16.44
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	16	16.44
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	16	16.44
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	16	16.44
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	17	16.44
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	17	16.44
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	17	16.44
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	5	16.43
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	5	16.43
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	5	16.43
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	12	16.42
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	12	16.42
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	15	16.42
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	15	16.42
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	7	16.42
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	7	16.42
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	7	16.42
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	12	16.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	12	16.42
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	12	16.42
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	12	16.42
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	12	16.42
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	12	16.42
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	17	16.42
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	17	16.42
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	17	16.42
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	17	16.42
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	2	16.41
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	2	16.41
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	2	16.41
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	2	16.41
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	2	16.41
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	2	16.41
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	5	16.4
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	5	16.4
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	5	16.4
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	5	16.4
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	7	16.4
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	7	16.4
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	7	16.4
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	7	16.4
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	19	16.4
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	19	16.4
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	19	16.4
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	11	16.39
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	11	16.39
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	2	16.39
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	2	16.39
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	2	16.39
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	16	16.38
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	16	16.38
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	16	16.38
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	16	16.38
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	2	16.37
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	2	16.37
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	2	16.37
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	11	16.37
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	11	16.37
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	11	16.37
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	1	16.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	1	16.37
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	1	16.37
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD11	9	16.37
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD12	9	16.37
(1,7486)	1:19:A:LYS:HE2	1:93:A:ILE:HD13	9	16.37
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD11	9	16.37
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD12	9	16.37
(1,7486)	1:19:A:LYS:HE3	1:93:A:ILE:HD13	9	16.37
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	13	16.35
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	13	16.35
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	13	16.35
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	13	16.35
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	15	16.34
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	15	16.34
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	15	16.34
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	15	16.34
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	15	16.34
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	15	16.34
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	3	16.33
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	3	16.33
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	3	16.33
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	3	16.33
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	3	16.33
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	19	16.32
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	19	16.32
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	19	16.32
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG12	4	16.32
(1,7628)	1:78:A:GLN:HE22	1:93:A:ILE:HG13	4	16.32
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	1	16.32
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	1	16.32
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB2	12	16.31
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB2	12	16.31
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB2	12	16.31
(1,7678)	1:90:A:THR:HG21	1:23:A:ASN:HB3	12	16.31
(1,7678)	1:90:A:THR:HG22	1:23:A:ASN:HB3	12	16.31
(1,7678)	1:90:A:THR:HG23	1:23:A:ASN:HB3	12	16.31
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	12	16.31
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	12	16.31
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	15	16.31
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	15	16.31
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	12	16.31
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	12	16.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	12	16.31
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	15	16.31
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	15	16.31
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	15	16.31
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB2	13	16.31
(1,7470)	1:14:A:ARG:HD2	1:101:A:SER:HB3	13	16.31
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB2	13	16.31
(1,7470)	1:14:A:ARG:HD3	1:101:A:SER:HB3	13	16.31
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	14	16.3
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	14	16.3
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	14	16.3
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	18	16.3
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	18	16.3
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	2	16.3
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	2	16.3
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	2	16.3
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	7	16.29
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	7	16.29
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	7	16.29
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	9	16.29
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	9	16.29
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	9	16.29
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	14	16.29
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	14	16.29
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	14	16.29
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	20	16.28
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	20	16.28
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	20	16.28
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	20	16.28
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	6	16.28
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	6	16.28
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	6	16.28
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	6	16.28
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	6	16.28
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	6	16.28
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	17	16.27
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	17	16.27
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	17	16.27
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	17	16.27
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	17	16.27
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	17	16.27
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	17	16.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	18	16.27
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	18	16.27
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	18	16.27
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	12	16.26
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	12	16.26
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	12	16.26
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	11	16.26
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	11	16.26
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	16	16.25
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	16	16.25
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	16	16.25
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	4	16.25
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	4	16.25
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	4	16.25
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	1	16.25
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	1	16.25
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	1	16.25
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	16	16.25
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	16	16.25
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	16	16.25
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	1	16.24
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	1	16.24
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	1	16.24
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	10	16.24
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	10	16.24
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	3	16.24
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	3	16.24
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	3	16.24
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	17	16.24
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	17	16.24
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	17	16.24
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	20	16.23
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	20	16.23
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	20	16.23
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	17	16.22
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	17	16.22
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	17	16.22
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	17	16.22
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	6	16.22
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	6	16.22
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	6	16.22
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	18	16.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	18	16.22
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	18	16.22
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	5	16.22
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	5	16.22
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	5	16.22
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	7	16.22
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	7	16.22
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	7	16.22
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	14	16.22
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	14	16.22
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	14	16.22
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	10	16.21
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	10	16.21
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	10	16.21
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG21	11	16.21
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG22	11	16.21
(1,7510)	1:23:A:ASN:HD22	1:88:A:VAL:HG23	11	16.21
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	13	16.21
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	13	16.21
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	13	16.21
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	19	16.21
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	19	16.21
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	19	16.21
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	13	16.2
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	13	16.2
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	13	16.2
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	1	16.19
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	1	16.19
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	15	16.19
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	15	16.19
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	15	16.19
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	3	16.19
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	3	16.19
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	4	16.19
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	4	16.19
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	19	16.19
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	19	16.19
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	8	16.19
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	8	16.19
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	8	16.19
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	11	16.19
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	11	16.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	11	16.19
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	18	16.19
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	18	16.19
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	18	16.19
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	14	16.18
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	14	16.18
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	17	16.18
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	17	16.18
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	12	16.18
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	12	16.18
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	12	16.18
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	20	16.18
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	20	16.18
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	20	16.18
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	13	16.18
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	13	16.18
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	13	16.18
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	9	16.17
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	9	16.17
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	9	16.17
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	10	16.17
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	10	16.17
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	10	16.17
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	2	16.17
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	2	16.17
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	2	16.17
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	11	16.17
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	11	16.17
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	11	16.17
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	3	16.16
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	3	16.16
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	3	16.16
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	7	16.16
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	7	16.16
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	16	16.16
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	16	16.16
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	9	16.16
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	9	16.16
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	9	16.16
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	5	16.16
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	5	16.16
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	5	16.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	15	16.16
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	15	16.16
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	8	16.15
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	8	16.15
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	10	16.15
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	10	16.15
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	10	16.15
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	15	16.15
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	15	16.15
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	15	16.15
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	20	16.14
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	20	16.14
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	20	16.14
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	2	16.14
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	2	16.14
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	1	16.14
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	1	16.14
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	1	16.14
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	7	16.14
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	7	16.14
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	7	16.14
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	7	16.13
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	7	16.13
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	20	16.13
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	20	16.13
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	6	16.13
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	6	16.13
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD11	4	16.13
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD12	4	16.13
(1,7508)	1:23:A:ASN:HD21	1:93:A:ILE:HD13	4	16.13
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	8	16.13
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	8	16.13
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	8	16.13
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	16	16.13
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	16	16.13
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	16	16.13
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	8	16.12
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	8	16.12
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	8	16.12
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	13	16.12
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	13	16.12
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	3	16.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	3	16.12
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	3	16.12
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	19	16.12
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	19	16.12
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	19	16.12
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD2	13	16.11
(1,7733)	1:101:A:SER:HB2	1:14:A:ARG:HD3	13	16.11
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD2	13	16.11
(1,7733)	1:101:A:SER:HB3	1:14:A:ARG:HD3	13	16.11
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	4	16.1
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	4	16.1
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	4	16.1
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	17	16.1
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	17	16.1
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	17	16.1
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	14	16.1
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	14	16.1
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	14	16.1
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	17	16.09
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	17	16.09
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	7	16.09
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	7	16.09
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	7	16.09
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	10	16.09
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	10	16.09
(1,7703)	1:93:A:ILE:HG21	1:23:A:ASN:H	5	16.08
(1,7703)	1:93:A:ILE:HG22	1:23:A:ASN:H	5	16.08
(1,7703)	1:93:A:ILE:HG23	1:23:A:ASN:H	5	16.08
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	12	16.08
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	12	16.08
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	12	16.08
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	20	16.07
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	20	16.07
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	17	16.07
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	17	16.07
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	17	16.07
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	19	16.06
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	19	16.06
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	19	16.06
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	9	16.06
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	9	16.06
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	2	16.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	2	16.06
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	2	16.06
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	15	16.06
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	15	16.06
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	15	16.06
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	12	16.06
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	12	16.06
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	12	16.06
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	19	16.06
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	19	16.06
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	19	16.06
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	14	16.05
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	14	16.05
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	14	16.05
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	17	16.05
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	17	16.05
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	17	16.05
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	16	16.05
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	16	16.05
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	16	16.05
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	14	16.05
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	14	16.05
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	14	16.05
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	17	16.05
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	17	16.05
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	17	16.05
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	6	16.05
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	6	16.05
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	16	16.04
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	16	16.04
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	16	16.04
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG12	5	16.04
(1,7621)	1:78:A:GLN:HE21	1:93:A:ILE:HG13	5	16.04
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	18	16.04
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	18	16.04
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	18	16.04
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	1	16.04
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	1	16.04
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	1	16.04
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	16	16.04
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	16	16.04
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	16	16.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	1	16.02
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	1	16.02
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	1	16.02
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	6	16.02
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	6	16.02
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	6	16.02
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	18	16.02
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	18	16.02
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	18	16.02
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	1	16.02
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	1	16.02
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	1	16.02
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	2	16.01
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	2	16.01
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	2	16.01
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	10	16.01
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	10	16.01
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	10	16.01
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	9	16.01
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	9	16.01
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	9	16.01
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	10	16.01
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	10	16.01
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	10	16.01
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	2	16.01
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	2	16.01
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	2	16.01
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	10	16.01
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	10	16.01
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	10	16.01
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	14	16.01
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	14	16.01
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	6	16.0
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	6	16.0
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	6	16.0
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	7	16.0
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	7	16.0
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	7	16.0
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	4	16.0
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	4	16.0
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	4	16.0
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	13	16.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	13	16.0
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	13	16.0
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	6	16.0
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	6	16.0
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	6	16.0
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	7	16.0
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	7	16.0
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	7	16.0
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	15	15.99
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	15	15.99
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	15	15.99
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	8	15.98
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	8	15.98
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	8	15.98
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	8	15.98
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	8	15.98
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	8	15.98
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG21	11	15.97
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG22	11	15.97
(1,7504)	1:23:A:ASN:HD21	1:88:A:VAL:HG23	11	15.97
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	9	15.97
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	9	15.97
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	9	15.97
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	3	15.96
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	3	15.96
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	3	15.96
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	1	15.96
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	1	15.96
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	20	15.94
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	20	15.94
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	20	15.94
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	20	15.93
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	20	15.93
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	20	15.93
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	20	15.93
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	20	15.93
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	20	15.93
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	5	15.92
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	5	15.92
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	5	15.92
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	15	15.92
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	15	15.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	15	15.92
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	8	15.92
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	8	15.92
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	8	15.92
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	5	15.92
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	5	15.92
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	5	15.92
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	15	15.92
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	15	15.92
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	15	15.92
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	11	15.91
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	11	15.91
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	11	15.91
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	11	15.91
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	11	15.91
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	11	15.91
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	11	15.91
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	11	15.91
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	11	15.91
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	3	15.91
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	3	15.91
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	3	15.91
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	13	15.91
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	13	15.91
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	13	15.91
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	3	15.91
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	3	15.91
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	3	15.91
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	13	15.91
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	13	15.91
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	13	15.91
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	11	15.91
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	11	15.91
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	7	15.9
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	7	15.9
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	7	15.9
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	7	15.9
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	7	15.9
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	7	15.9
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	7	15.9
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	7	15.9
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	7	15.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	11	15.9
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	11	15.9
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	11	15.9
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	4	15.9
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	4	15.9
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	4	15.9
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	11	15.9
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	11	15.9
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	11	15.9
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	4	15.9
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	4	15.9
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	4	15.89
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	4	15.89
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	4	15.89
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	4	15.89
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	4	15.89
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	4	15.89
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	18	15.88
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	18	15.88
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	18	15.88
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG21	5	15.88
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG22	5	15.88
(1,7498)	1:23:A:ASN:H	1:93:A:ILE:HG23	5	15.88
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	18	15.88
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	18	15.88
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	18	15.88
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	1	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	1	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	1	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	1	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	1	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	1	15.86
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	1	15.86
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	1	15.86
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	1	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	12	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	12	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	12	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	12	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	12	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	12	15.86
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	12	15.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	12	15.86
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	12	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	17	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	17	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	17	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	17	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	17	15.86
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	17	15.86
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	17	15.86
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	17	15.86
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	17	15.86
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	12	15.86
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	12	15.86
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	12	15.86
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	12	15.86
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	12	15.86
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	12	15.86
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	2	15.85
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	2	15.85
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	2	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	2	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	2	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	2	15.85
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	2	15.85
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	2	15.85
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	2	15.85
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	14	15.85
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	14	15.85
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	14	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	14	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	14	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	14	15.85
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	14	15.85
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	14	15.85
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	14	15.85
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	19	15.85
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	19	15.85
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	19	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	19	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	19	15.85
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	19	15.85
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	19	15.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	19	15.85
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	19	15.85
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	2	15.84
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	2	15.84
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	20	15.84
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	20	15.84
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	7	15.83
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	7	15.83
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	4	15.82
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	10	15.82
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	8	15.82
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	8	15.82
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	15	15.81
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	15	15.81
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	15	15.81
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	15	15.81
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	15	15.81
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	15	15.81
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	15	15.81
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	15	15.81
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	15	15.81
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	15	15.81
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	16	15.81
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	16	15.81
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	16	15.81
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	16	15.81
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	16	15.81
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	16	15.81
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	16	15.81
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	16	15.81
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	16	15.81
(1,7687)	1:93:A:ILE:HD11	1:19:A:LYS:HA	9	15.81
(1,7687)	1:93:A:ILE:HD12	1:19:A:LYS:HA	9	15.81
(1,7687)	1:93:A:ILE:HD13	1:19:A:LYS:HA	9	15.81
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD11	9	15.81
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD12	9	15.81
(1,7473)	1:19:A:LYS:HA	1:93:A:ILE:HD13	9	15.81
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	3	15.8
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	3	15.8
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	19	15.79
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	1	15.78
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	3	15.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	3	15.77
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	3	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	3	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	3	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	3	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	3	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	3	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	3	15.77
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	10	15.77
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	10	15.77
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	10	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	10	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	10	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	10	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	10	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	10	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	10	15.77
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	18	15.77
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	18	15.77
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	18	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	18	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	18	15.77
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	18	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	18	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	18	15.77
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	18	15.77
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	16	15.77
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	11	15.76
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	6	15.76
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	6	15.76
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	6	15.76
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	6	15.76
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	6	15.76
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	6	15.76
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	6	15.76
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	6	15.76
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	6	15.76
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	4	15.75
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	4	15.75
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	11	15.75
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	11	15.75
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	11	15.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	5	15.74
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	5	15.74
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	2	15.74
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	2	15.74
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	2	15.74
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	8	15.74
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	8	15.74
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	8	15.74
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	8	15.74
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	8	15.74
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	8	15.74
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	8	15.74
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	8	15.74
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	8	15.74
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	13	15.74
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	13	15.74
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	13	15.74
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	13	15.74
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	13	15.74
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	13	15.74
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	13	15.74
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	13	15.74
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	13	15.74
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	3	15.72
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	9	15.7
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	9	15.7
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	9	15.7
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	9	15.7
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	9	15.7
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	9	15.7
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	9	15.7
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	9	15.7
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	9	15.7
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	20	15.7
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	2	15.69
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	12	15.69
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	12	15.69
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	12	15.69
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	16	15.69
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	16	15.69
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	16	15.69
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	7	15.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	7	15.68
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	7	15.68
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	19	15.68
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	19	15.68
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	19	15.68
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	19	15.68
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	19	15.68
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	19	15.68
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	19	15.68
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	19	15.68
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	19	15.68
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	8	15.68
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	2	15.67
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	2	15.67
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	2	15.67
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	2	15.67
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	2	15.67
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	2	15.67
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	17	15.65
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	17	15.65
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	17	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	4	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	4	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	4	15.65
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	4	15.65
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	4	15.65
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	4	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	4	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	4	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	4	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	5	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	5	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	5	15.65
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	5	15.65
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	5	15.65
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	5	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	5	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	5	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	5	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB1	20	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB2	20	15.65
(1,7700)	1:93:A:ILE:HG21	1:20:A:ALA:HB3	20	15.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB1	20	15.65
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB2	20	15.65
(1,7700)	1:93:A:ILE:HG22	1:20:A:ALA:HB3	20	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB1	20	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB2	20	15.65
(1,7700)	1:93:A:ILE:HG23	1:20:A:ALA:HB3	20	15.65
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	14	15.65
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	14	15.65
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	14	15.65
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	14	15.65
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	14	15.65
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	14	15.65
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	1	15.64
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	1	15.64
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	1	15.64
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	14	15.64
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	14	15.64
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	14	15.64
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	19	15.64
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	19	15.64
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	19	15.64
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	10	15.64
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	10	15.64
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	14	15.63
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	14	15.63
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	2	15.63
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	2	15.63
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	2	15.63
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	20	15.61
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	4	15.61
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	18	15.61
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	14	15.61
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	14	15.61
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	14	15.61
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	6	15.6
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	15	15.6
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	15	15.6
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	15	15.6
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	18	15.6
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	18	15.6
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	18	15.6
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	6	15.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	6	15.6
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	6	15.6
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	6	15.6
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	6	15.6
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	6	15.6
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	6	15.59
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	12	15.59
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	12	15.59
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	12	15.59
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	18	15.59
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	18	15.59
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	10	15.58
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	10	15.58
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	10	15.58
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	7	15.58
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	7	15.58
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	7	15.58
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	12	15.58
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	12	15.58
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	12	15.58
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	16	15.58
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	16	15.58
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	16	15.58
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	3	15.58
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	7	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	7	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	7	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	7	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	12	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	12	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	12	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	16	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	16	15.58
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	16	15.58
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	19	15.58
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	19	15.58
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	6	15.57
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	6	15.57
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	6	15.57
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	1	15.57
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	1	15.57
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	1	15.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	13	15.57
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	13	15.57
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	13	15.57
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	1	15.57
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	5	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	1	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	1	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	1	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	6	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	6	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	6	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	9	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	9	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	9	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	13	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	13	15.57
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	13	15.57
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	1	15.57
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	1	15.57
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	1	15.57
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	13	15.57
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	13	15.57
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	13	15.57
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	5	15.56
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	2	15.56
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	2	15.56
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	11	15.56
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	11	15.56
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	17	15.56
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	17	15.56
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	17	15.56
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	9	15.56
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	14	15.56
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	17	15.56
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	17	15.56
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	17	15.56
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	2	15.55
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	2	15.55
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	12	15.55
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	16	15.55
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	14	15.55
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	14	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	14	15.55
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	14	15.55
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	16	15.55
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	16	15.55
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	13	15.54
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	19	15.54
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	3	15.54
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	3	15.54
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	3	15.54
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	5	15.54
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	5	15.54
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	17	15.54
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	14	15.53
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	3	15.53
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	3	15.53
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	3	15.53
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	9	15.53
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	9	15.53
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	9	15.53
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	18	15.53
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	18	15.53
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	18	15.53
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	9	15.53
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	9	15.53
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	9	15.53
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	17	15.52
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	20	15.52
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	7	15.52
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	7	15.52
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	7	15.52
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	3	15.51
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	3	15.51
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	13	15.51
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	13	15.51
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	13	15.51
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	3	15.51
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	3	15.51
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	3	15.51
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	5	15.51
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	5	15.51
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	5	15.51
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	8	15.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	8	15.51
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	8	15.51
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	18	15.51
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	18	15.51
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	18	15.51
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	8	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	3	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	3	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	3	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	5	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	5	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	5	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	8	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	8	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	8	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	18	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	18	15.51
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	18	15.51
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	17	15.51
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	17	15.51
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	17	15.5
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	8	15.5
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	8	15.5
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	8	15.5
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	10	15.5
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	10	15.5
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	10	15.5
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	5	15.5
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	5	15.5
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	5	15.5
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	10	15.5
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	10	15.5
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	10	15.5
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	4	15.49
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	4	15.49
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	4	15.49
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	9	15.49
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	9	15.49
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	9	15.49
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	20	15.49
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	20	15.49
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	20	15.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	14	15.49
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	11	15.48
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	11	15.48
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	11	15.48
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	20	15.48
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	20	15.48
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	20	15.48
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	11	15.48
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	11	15.48
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	11	15.48
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	20	15.48
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	20	15.48
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	20	15.48
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	10	15.48
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	18	15.47
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	18	15.47
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	2	15.47
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	11	15.47
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	11	15.47
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	11	15.47
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	13	15.47
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	13	15.47
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	4	15.45
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	4	15.45
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	4	15.45
(1,7690)	1:93:A:ILE:HD11	1:23:A:ASN:H	15	15.45
(1,7690)	1:93:A:ILE:HD12	1:23:A:ASN:H	15	15.45
(1,7690)	1:93:A:ILE:HD13	1:23:A:ASN:H	15	15.45
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	10	15.45
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	16	15.45
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	16	15.45
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	16	15.45
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	4	15.45
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	4	15.45
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	4	15.45
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD11	15	15.45
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD12	15	15.45
(1,7497)	1:23:A:ASN:H	1:93:A:ILE:HD13	15	15.45
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	15	15.45
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	11	15.44
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	18	15.44
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	18	15.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	18	15.44
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	18	15.44
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	16	15.43
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	16	15.43
(1,7701)	1:93:A:ILE:HG21	1:22:A:ILE:H	5	15.43
(1,7701)	1:93:A:ILE:HG22	1:22:A:ILE:H	5	15.43
(1,7701)	1:93:A:ILE:HG23	1:22:A:ILE:H	5	15.43
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	4	15.43
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	4	15.43
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	4	15.43
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	7	15.43
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	19	15.42
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	19	15.42
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	10	15.42
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	10	15.42
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	10	15.42
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	10	15.42
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	10	15.42
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	17	15.42
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	17	15.42
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	17	15.42
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	12	15.42
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	12	15.42
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	12	15.42
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	12	15.42
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	2	15.42
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	13	15.41
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	13	15.41
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	1	15.41
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	1	15.41
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	1	15.41
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	15	15.41
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	15	15.41
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	15	15.41
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	1	15.41
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	8	15.39
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	8	15.39
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	8	15.39
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	9	15.39
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	3	15.38
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	4	15.38
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	15	15.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	15	15.37
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	19	15.37
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	19	15.37
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	16	15.36
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	16	15.36
(1,7530)	1:36:A:ASN:H	1:81:A:SER:HB2	15	15.36
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD11	20	15.36
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD12	20	15.36
(1,7515)	1:24:A:ASN:H	1:93:A:ILE:HD13	20	15.36
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	14	15.35
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	14	15.35
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	14	15.35
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	14	15.35
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	10	15.35
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	10	15.35
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	9	15.34
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	9	15.34
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	14	15.33
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	14	15.33
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	17	15.33
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	17	15.33
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	18	15.33
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	18	15.33
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	19	15.33
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	19	15.33
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE21	12	15.33
(1,7676)	1:89:A:ASP:H	1:78:A:GLN:HE22	12	15.33
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	16	15.32
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	16	15.32
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	1	15.31
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	1	15.31
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	8	15.31
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	8	15.31
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	8	15.31
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	8	15.31
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	14	15.31
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	14	15.31
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	20	15.31
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	20	15.31
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	7	15.3
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	7	15.3
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	18	15.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	18	15.3
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	18	15.3
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	6	15.3
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	16	15.29
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	3	15.29
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	3	15.29
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	3	15.29
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	2	15.28
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	2	15.28
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	4	15.28
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	4	15.28
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	4	15.28
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	6	15.27
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	6	15.27
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	12	15.27
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	12	15.27
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	8	15.27
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	8	15.27
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	8	15.27
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	11	15.27
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	11	15.27
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	11	15.27
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB2	12	15.27
(1,7463)	1:13:A:LEU:H	1:101:A:SER:HB3	12	15.27
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	19	15.26
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	19	15.26
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	19	15.26
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	7	15.26
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	7	15.26
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	14	15.26
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	9	15.25
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	9	15.25
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	9	15.25
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	9	15.25
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	18	15.24
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	18	15.24
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	18	15.24
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	18	15.24
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	7	15.24
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	2	15.24
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	2	15.24
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	2	15.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	11	15.24
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	11	15.24
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	13	15.24
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	13	15.24
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	15	15.24
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	15	15.24
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	5	15.23
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	5	15.23
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	6	15.23
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	6	15.23
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	9	15.23
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	9	15.23
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	17	15.23
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	17	15.23
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	12	15.22
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	12	15.22
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	12	15.22
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	12	15.22
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	14	15.22
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	14	15.22
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	14	15.22
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	14	15.22
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	14	15.22
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	14	15.22
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	17	15.22
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	17	15.22
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	17	15.22
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	5	15.22
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	12	15.22
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	15	15.22
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	12	15.21
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	12	15.21
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	9	15.21
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	9	15.21
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	13	15.21
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	4	15.2
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	4	15.2
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	5	15.2
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	5	15.2
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	20	15.2
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	20	15.2
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	6	15.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	6	15.2
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	6	15.2
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	10	15.2
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	19	15.19
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	19	15.19
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	19	15.19
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	8	15.18
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	8	15.18
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	8	15.18
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB2	3	15.18
(1,7686)	1:93:A:ILE:HG13	1:78:A:GLN:HB3	3	15.18
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	20	15.18
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	20	15.18
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	20	15.18
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	6	15.17
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	16	15.17
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	16	15.17
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	16	15.17
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	19	15.17
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	6	15.16
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	6	15.16
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	6	15.16
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	7	15.16
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	7	15.16
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	7	15.16
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	11	15.16
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	11	15.16
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	11	15.16
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	18	15.16
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	2	15.15
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	16	15.14
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	16	15.14
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	16	15.14
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	20	15.14
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	20	15.14
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	20	15.14
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	15	15.14
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	15	15.14
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	15	15.14
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	1	15.14
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	13	15.13
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	13	15.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	13	15.13
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	13	15.13
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	13	15.13
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	13	15.13
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	14	15.12
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	2	15.12
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	2	15.12
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	2	15.12
(1,7456)	1:4:A:GLY:H	1:109:A:ALA:HA	11	15.12
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	20	15.12
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	13	15.11
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	13	15.11
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	12	15.11
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	13	15.11
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	9	15.11
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	9	15.11
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	9	15.11
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB2	8	15.11
(1,7471)	1:14:A:ARG:HG2	1:101:A:SER:HB3	8	15.11
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB2	8	15.11
(1,7471)	1:14:A:ARG:HG3	1:101:A:SER:HB3	8	15.11
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	8	15.11
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	9	15.1
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	9	15.1
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	9	15.1
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	17	15.1
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	17	15.1
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	17	15.1
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	3	15.1
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	4	15.1
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	6	15.09
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	6	15.09
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	4	15.09
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	9	15.09
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	8	15.08
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	8	15.08
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	7	15.08
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	7	15.08
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	7	15.08
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	16	15.08
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	16	15.08
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	16	15.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	20	15.08
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	20	15.08
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	20	15.08
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	18	15.08
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	5	15.08
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	5	15.08
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	5	15.08
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	3	15.08
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	5	15.07
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	5	15.07
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	5	15.07
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	5	15.07
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	7	15.07
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	17	15.07
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	17	15.07
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	17	15.07
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	16	15.07
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	17	15.06
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	17	15.06
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	17	15.06
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	8	15.06
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	1	15.06
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	1	15.06
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	1	15.06
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	1	15.06
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	16	15.06
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	10	15.06
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	10	15.06
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	10	15.06
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	7	15.06
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	7	15.06
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	7	15.06
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	19	15.06
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	19	15.06
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	19	15.06
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	9	15.05
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	9	15.05
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	9	15.05
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	9	15.05
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	8	15.05
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	8	15.05
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	8	15.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	11	15.05
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	15	15.05
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	16	15.05
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	16	15.05
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	16	15.05
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	12	15.04
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	12	15.04
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	12	15.04
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	18	15.03
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	3	15.03
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	3	15.03
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	3	15.03
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	19	15.03
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	20	15.03
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	10	15.03
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	10	15.03
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	10	15.03
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	14	15.03
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	14	15.03
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	14	15.03
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	9	15.02
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	9	15.02
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	9	15.02
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	18	15.02
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	18	15.02
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	18	15.02
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	2	15.02
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	8	15.02
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	8	15.02
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	8	15.02
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	8	15.02
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	10	15.01
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	10	15.01
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	10	15.01
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	1	15.01
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	1	15.01
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	1	15.01
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	6	15.0
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	6	15.0
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	18	15.0
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	18	15.0
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	18	15.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	6	15.0
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	6	15.0
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	11	14.99
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	11	14.99
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	11	14.99
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	12	14.98
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	12	14.98
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	12	14.98
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	12	14.98
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	12	14.98
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	12	14.98
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	20	14.98
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	20	14.98
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	20	14.98
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	2	14.97
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	2	14.97
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	6	14.97
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	6	14.97
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	6	14.97
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	15	14.97
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	15	14.97
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	15	14.97
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	17	14.96
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	4	14.95
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	4	14.95
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	4	14.95
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	13	14.94
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	13	14.94
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	13	14.94
(1,7653)	1:81:A:SER:HB2	1:35:A:ARG:HA	10	14.93
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	4	14.93
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	4	14.93
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	4	14.93
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	20	14.93
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	20	14.93
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	20	14.93
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	13	14.92
(1,7691)	1:93:A:ILE:HD11	1:23:A:ASN:HA	15	14.92
(1,7691)	1:93:A:ILE:HD12	1:23:A:ASN:HA	15	14.92
(1,7691)	1:93:A:ILE:HD13	1:23:A:ASN:HA	15	14.92
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	8	14.92
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	8	14.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	8	14.92
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	16	14.92
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	16	14.92
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	16	14.92
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG2	8	14.91
(1,7734)	1:101:A:SER:HB2	1:14:A:ARG:HG3	8	14.91
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG2	8	14.91
(1,7734)	1:101:A:SER:HB3	1:14:A:ARG:HG3	8	14.91
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	15	14.9
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	3	14.9
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	3	14.9
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	3	14.9
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	14	14.89
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	12	14.89
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	9	14.89
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	9	14.89
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	9	14.89
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	7	14.89
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	17	14.88
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	17	14.88
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	17	14.88
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	17	14.88
(1,7717)	1:97:A:SER:HB2	1:13:A:LEU:HB3	9	14.86
(1,7717)	1:97:A:SER:HB3	1:13:A:LEU:HB3	9	14.86
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	19	14.86
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	19	14.86
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	19	14.86
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG21	2	14.84
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG22	2	14.84
(1,7617)	1:78:A:GLN:HE21	1:90:A:THR:HG23	2	14.84
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	2	14.84
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	2	14.84
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	2	14.84
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG21	5	14.84
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG22	5	14.84
(1,7490)	1:22:A:ILE:HB	1:93:A:ILE:HG23	5	14.84
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	14	14.82
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	14	14.82
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	14	14.82
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	9	14.81
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	9	14.81
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	9	14.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	15	14.78
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	15	14.78
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	11	14.76
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	11	14.76
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	6	14.76
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	6	14.76
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	6	14.76
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	11	14.76
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	11	14.76
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	1	14.75
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	1	14.75
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	15	14.74
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	15	14.74
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	15	14.74
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	15	14.74
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	10	14.73
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	13	14.73
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	13	14.73
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	13	14.73
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	2	14.72
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	2	14.72
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	2	14.72
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	10	14.7
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	10	14.7
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	10	14.7
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	9	14.7
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	9	14.7
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	9	14.7
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	17	14.7
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	17	14.7
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	17	14.7
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	15	14.69
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	15	14.69
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	15	14.69
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	1	14.68
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	1	14.68
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	19	14.68
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	19	14.68
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	19	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	7	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	7	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	7	14.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	16	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	16	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	16	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	20	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	20	14.68
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	20	14.68
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	1	14.68
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	1	14.68
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	12	14.67
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	12	14.67
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	12	14.67
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	12	14.67
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	5	14.67
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	5	14.67
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	5	14.67
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	10	14.66
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	10	14.66
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	10	14.66
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	1	14.66
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	1	14.66
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	1	14.66
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	4	14.65
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	4	14.65
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	16	14.65
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	16	14.65
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	16	14.65
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	8	14.65
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	8	14.65
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	8	14.65
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	4	14.65
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	4	14.65
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	19	14.64
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	19	14.64
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	7	14.64
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	7	14.64
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	7	14.64
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	14	14.64
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	14	14.64
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	14	14.64
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	12	14.64
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	12	14.64
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	12	14.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	19	14.64
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	19	14.64
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	2	14.63
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	2	14.63
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	2	14.63
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	10	14.63
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	10	14.63
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	1	14.63
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	1	14.63
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	1	14.63
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	3	14.63
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	3	14.63
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	3	14.63
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	10	14.63
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	10	14.63
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	2	14.62
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	18	14.62
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	18	14.62
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	18	14.62
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	18	14.61
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	18	14.61
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	6	14.61
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	6	14.61
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	6	14.61
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	10	14.61
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	10	14.61
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	10	14.61
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	11	14.6
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	11	14.6
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	11	14.6
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	15	14.6
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	15	14.6
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	15	14.6
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	4	14.59
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	4	14.59
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	4	14.59
(1,7726)	1:101:A:SER:H	1:13:A:LEU:HB2	9	14.59
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	1	14.59
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	18	14.59
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	18	14.59
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	18	14.59
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	11	14.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	11	14.59
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	11	14.59
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	1	14.58
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	1	14.58
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	1	14.58
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	10	14.58
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	10	14.58
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	20	14.57
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	20	14.57
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	20	14.57
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	3	14.57
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	3	14.57
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	3	14.56
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	3	14.56
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	13	14.56
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	13	14.56
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	13	14.56
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	17	14.56
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	17	14.56
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	17	14.56
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	3	14.56
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	3	14.56
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	3	14.55
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	3	14.55
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	3	14.55
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	3	14.55
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	3	14.55
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	4	14.55
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	4	14.55
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	4	14.55
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	2	14.54
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	2	14.54
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	4	14.54
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	4	14.54
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	2	14.54
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	2	14.54
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	1	14.53
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	1	14.53
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	18	14.53
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	6	14.52
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	7	14.52
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	14	14.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	19	14.52
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	19	14.52
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	19	14.52
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	19	14.52
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	19	14.52
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	19	14.52
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD11	15	14.52
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD12	15	14.52
(1,7499)	1:23:A:ASN:HA	1:93:A:ILE:HD13	15	14.52
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	6	14.52
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	15	14.51
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	15	14.51
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	13	14.51
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	13	14.51
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	20	14.51
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	20	14.51
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	20	14.51
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	7	14.5
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	7	14.5
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	5	14.5
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	5	14.5
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	4	14.5
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	4	14.5
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	4	14.5
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	9	14.5
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	16	14.5
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	5	14.5
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	5	14.5
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	13	14.5
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	6	14.49
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	6	14.49
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	6	14.49
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	14	14.49
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	14	14.49
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	14	14.49
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	16	14.49
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	16	14.49
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	5	14.49
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	5	14.49
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	5	14.49
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	8	14.49
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	13	14.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	17	14.49
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	3	14.48
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	9	14.48
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	9	14.48
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	9	14.48
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	2	14.48
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	2	14.48
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	2	14.48
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	2	14.48
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	2	14.48
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	2	14.48
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	6	14.47
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	6	14.47
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	3	14.47
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	3	14.47
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	3	14.47
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	4	14.47
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	14	14.47
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	14	14.47
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	14	14.47
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	14	14.47
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	14	14.47
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	14	14.47
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	8	14.46
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	8	14.46
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	19	14.46
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	19	14.46
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	19	14.46
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	11	14.45
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	11	14.45
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	3	14.45
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	20	14.44
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	20	14.44
(1,7589)	1:74:A:THR:HG21	1:93:A:ILE:HB	8	14.44
(1,7589)	1:74:A:THR:HG22	1:93:A:ILE:HB	8	14.44
(1,7589)	1:74:A:THR:HG23	1:93:A:ILE:HB	8	14.44
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	1	14.44
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	16	14.43
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	16	14.43
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	16	14.43
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	20	14.43
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	20	14.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	18	14.43
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	18	14.43
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	14	14.43
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	14	14.43
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	2	14.43
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	20	14.43
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	17	14.43
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	17	14.43
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	17	14.43
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	17	14.43
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	17	14.43
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	17	14.43
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	20	14.43
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	20	14.43
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	9	14.43
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	19	14.43
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	13	14.42
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	13	14.42
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	4	14.42
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	12	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	6	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	6	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	6	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	6	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	6	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	6	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	16	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	16	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	16	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	16	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	16	14.42
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	16	14.42
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	5	14.42
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	11	14.4
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	11	14.4
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	11	14.4
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	20	14.4
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	20	14.4
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	20	14.4
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	20	14.4
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	20	14.4
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	20	14.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	13	14.39
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	13	14.39
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	13	14.39
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	7	14.38
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	7	14.38
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	7	14.38
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	17	14.38
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	17	14.38
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	18	14.38
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	8	14.38
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	8	14.38
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	8	14.38
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	8	14.38
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	8	14.38
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	8	14.38
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	7	14.37
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	7	14.37
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	7	14.37
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	17	14.37
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	17	14.37
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	19	14.37
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	19	14.37
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	19	14.37
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	13	14.37
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	13	14.37
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	13	14.37
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	13	14.37
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	13	14.37
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	13	14.37
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	7	14.36
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	7	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	5	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	5	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	5	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	5	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	5	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	5	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	7	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	7	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	7	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	7	14.36
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	7	14.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	7	14.36
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	14	14.35
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	14	14.35
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	14	14.35
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	19	14.35
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	19	14.35
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	19	14.35
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	19	14.35
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	19	14.35
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	5	14.35
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	5	14.35
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	10	14.35
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	6	14.34
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	6	14.34
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	11	14.34
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	1	14.34
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	1	14.34
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	1	14.34
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	1	14.34
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	1	14.34
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	1	14.34
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	5	14.33
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	5	14.33
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	5	14.33
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	5	14.33
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	5	14.33
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	5	14.33
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	3	14.33
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	3	14.33
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	10	14.33
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	10	14.33
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	10	14.33
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	10	14.33
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	10	14.33
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	10	14.33
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	1	14.32
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	1	14.32
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	1	14.32
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	2	14.32
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	2	14.32
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	2	14.32
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	15	14.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	15	14.32
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	15	14.32
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	5	14.32
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	5	14.32
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	2	14.32
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	2	14.32
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	2	14.32
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	3	14.32
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	3	14.32
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	3	14.32
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	3	14.32
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	3	14.32
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	3	14.32
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	11	14.32
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	3	14.31
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	3	14.31
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	3	14.31
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	8	14.31
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	8	14.31
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	8	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	9	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	9	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	9	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	9	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	9	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	9	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	11	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	11	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	11	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	11	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	11	14.31
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	11	14.31
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	4	14.3
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	4	14.3
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	4	14.3
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	10	14.3
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	10	14.3
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	10	14.3
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	9	14.3
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	9	14.3
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	15	14.3
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	15	14.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	7	14.3
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	7	14.3
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	7	14.3
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	9	14.3
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	9	14.3
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	6	14.3
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	20	14.3
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	5	14.3
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	16	14.29
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	16	14.29
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	16	14.29
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	4	14.29
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	4	14.29
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	12	14.29
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	12	14.29
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	8	14.29
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	14	14.29
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	18	14.29
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	18	14.29
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	18	14.29
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	18	14.29
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	18	14.29
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	18	14.29
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	12	14.28
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	12	14.28
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	12	14.28
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	11	14.28
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	11	14.28
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	14	14.28
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	14	14.28
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	8	14.28
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	8	14.28
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	8	14.28
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	14	14.28
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	14	14.28
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	14	14.28
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	11	14.28
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	18	14.27
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	18	14.27
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	18	14.27
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	17	14.27
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	17	14.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	13	14.27
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	13	14.27
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	13	14.27
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	12	14.27
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	12	14.27
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	12	14.27
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	12	14.27
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	12	14.27
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	12	14.27
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	17	14.27
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	17	14.27
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	6	14.26
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	6	14.26
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	6	14.26
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	9	14.26
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	9	14.26
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	9	14.26
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	17	14.26
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	17	14.26
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	17	14.26
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	13	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	4	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	4	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	4	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	4	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	4	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	4	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	15	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	15	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	15	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD11	15	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD12	15	14.26
(1,7514)	1:23:A:ASN:HD22	1:93:A:ILE:HD13	15	14.26
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	2	14.25
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	2	14.25
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	17	14.25
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	17	14.25
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	17	14.25
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	16	14.25
(1,7529)	1:36:A:ASN:H	1:81:A:SER:HA	15	14.24
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	8	14.23
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	8	14.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	12	14.22
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	12	14.22
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	17	14.22
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	19	14.22
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	12	14.22
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	11	14.21
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	11	14.21
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	7	14.21
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	16	14.2
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	16	14.2
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	5	14.2
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	16	14.2
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	16	14.2
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	5	14.19
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	5	14.19
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	5	14.19
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	10	14.19
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	10	14.19
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	10	14.19
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	20	14.18
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	20	14.18
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	20	14.18
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	10	14.17
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	10	14.17
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	11	14.16
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	11	14.16
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	11	14.16
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	1	14.16
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	1	14.16
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	19	14.16
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	19	14.16
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	19	14.16
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	14	14.16
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	14	14.16
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	14	14.16
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	15	14.16
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	15	14.16
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	15	14.16
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	7	14.15
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	7	14.15
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	10	14.15
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	2	14.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	2	14.15
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	2	14.15
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	7	14.15
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	7	14.15
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	4	14.14
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	4	14.14
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	18	14.14
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	18	14.14
(1,7435)	1:3:A:PHE:HB2	1:109:A:ALA:HA	18	14.14
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	6	14.13
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	6	14.13
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	6	14.13
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	13	14.13
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	13	14.13
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	13	14.13
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	14	14.13
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	14	14.13
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	14	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	1	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	1	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	1	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	4	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	4	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	4	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	10	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	10	14.13
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	10	14.13
(1,7746)	1:109:A:ALA:HB1	1:4:A:GLY:HA3	19	14.12
(1,7746)	1:109:A:ALA:HB2	1:4:A:GLY:HA3	19	14.12
(1,7746)	1:109:A:ALA:HB3	1:4:A:GLY:HA3	19	14.12
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	16	14.12
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	16	14.12
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	16	14.12
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	2	14.12
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	2	14.12
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	2	14.12
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	20	14.11
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	20	14.11
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	3	14.11
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	3	14.11
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	3	14.11
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB2	2	14.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7615)	1:78:A:GLN:HE21	1:89:A:ASP:HB3	2	14.1
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	7	14.1
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	7	14.1
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	7	14.1
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	17	14.1
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	17	14.1
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	17	14.1
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	7	14.1
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	7	14.1
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	7	14.1
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	15	14.09
(1,7612)	1:78:A:GLN:HE21	1:88:A:VAL:HA	9	14.09
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	1	14.09
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	1	14.09
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	1	14.09
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	6	14.09
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	6	14.09
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	6	14.09
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	10	14.07
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	10	14.07
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	10	14.07
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	12	14.07
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	12	14.07
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	12	14.07
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	5	14.07
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	5	14.07
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	5	14.07
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB2	16	14.06
(1,7743)	1:109:A:ALA:HA	1:3:A:PHE:HB3	16	14.06
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	18	14.06
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	18	14.06
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	18	14.06
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	1	14.06
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	8	14.05
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	8	14.05
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	8	14.05
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	13	14.05
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	13	14.05
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	13	14.05
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	9	14.04
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	9	14.04
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	9	14.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	18	14.04
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	18	14.04
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	18	14.04
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	4	14.02
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	4	14.02
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	4	14.02
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB2	12	14.01
(1,7624)	1:78:A:GLN:HE22	1:89:A:ASP:HB3	12	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	3	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	3	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	3	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	5	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	5	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	5	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	11	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	11	14.01
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	11	14.01
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD11	12	14.0
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD12	12	14.0
(1,7736)	1:102:A:LYS:H	1:7:A:LEU:HD13	12	14.0
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	2	14.0
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	4	14.0
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	9	14.0
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	9	14.0
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	9	14.0
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	20	14.0
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	20	14.0
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	20	14.0
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	20	13.99
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD11	15	13.99
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD12	15	13.99
(1,7489)	1:22:A:ILE:HB	1:93:A:ILE:HD13	15	13.99
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	13	13.98
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	13	13.98
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	13	13.98
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	13	13.98
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	6	13.97
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	18	13.96
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	18	13.96
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	18	13.96
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	18	13.96
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	8	13.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	8	13.95
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	8	13.95
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	8	13.95
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	11	13.95
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	11	13.95
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	11	13.95
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	14	13.94
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	3	13.93
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	13	13.92
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	12	13.92
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	12	13.92
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	12	13.92
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	14	13.91
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	14	13.91
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	18	13.91
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	18	13.91
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	18	13.91
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	14	13.91
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	14	13.91
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	6	13.91
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	6	13.91
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	6	13.91
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	19	13.91
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	19	13.91
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	19	13.91
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	9	13.9
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	1	13.9
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	1	13.9
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	1	13.9
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	18	13.9
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	18	13.9
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	18	13.9
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	7	13.89
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	16	13.88
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	7	13.88
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	16	13.88
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	11	13.87
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	8	13.87
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	18	13.87
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB1	13	13.87
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB2	13	13.87
(1,7458)	1:4:A:GLY:HA2	1:109:A:ALA:HB3	13	13.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	12	13.85
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	2	13.84
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	3	13.84
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	4	13.83
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	19	13.82
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	20	13.81
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	1	13.8
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	15	13.8
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	17	13.79
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	11	13.79
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	11	13.79
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	11	13.79
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	18	13.78
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	11	13.77
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	3	13.77
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	3	13.77
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	3	13.77
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	10	13.75
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	10	13.75
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	10	13.75
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	15	13.75
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	15	13.75
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	15	13.75
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	19	13.75
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	4	13.75
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	4	13.75
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	4	13.75
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	6	13.74
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	6	13.74
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	6	13.74
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	20	13.74
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	20	13.74
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	20	13.74
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	10	13.71
(1,7651)	1:81:A:SER:HA	1:35:A:ARG:HA	5	13.7
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	2	13.69
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	2	13.69
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	2	13.69
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	3	13.69
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	3	13.69
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	3	13.69
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	4	13.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	4	13.69
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	4	13.69
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	12	13.67
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	12	13.67
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	12	13.67
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	12	13.67
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	1	13.66
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	1	13.66
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	1	13.66
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	13	13.66
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	17	13.66
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD11	15	13.66
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD12	15	13.66
(1,7629)	1:78:A:GLN:HE22	1:93:A:ILE:HD13	15	13.66
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	14	13.63
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	14	13.63
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	14	13.63
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	6	13.61
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	13	13.6
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	13	13.6
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	13	13.6
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	12	13.6
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	12	13.6
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	9	13.6
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	12	13.6
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	12	13.6
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	11	13.56
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	11	13.56
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	11	13.56
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	5	13.55
(1,7727)	1:101:A:SER:H	1:13:A:LEU:HG	8	13.55
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	16	13.54
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	16	13.54
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	16	13.54
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	5	13.53
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	5	13.53
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	5	13.53
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	6	13.51
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	6	13.51
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	6	13.51
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	6	13.51
(1,7730)	1:101:A:SER:HB2	1:13:A:LEU:HB2	9	13.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7730)	1:101:A:SER:HB3	1:13:A:LEU:HB2	9	13.5
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB2	9	13.5
(1,7466)	1:13:A:LEU:HB2	1:101:A:SER:HB3	9	13.5
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	14	13.49
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	14	13.49
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	14	13.49
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	14	13.49
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	13	13.48
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	13	13.48
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	13	13.48
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	20	13.48
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	20	13.48
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	20	13.48
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	8	13.47
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	8	13.47
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	8	13.47
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	10	13.47
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	10	13.47
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	10	13.47
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	7	13.46
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	7	13.46
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	7	13.46
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	19	13.46
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	19	13.46
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	19	13.46
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	8	13.45
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	8	13.45
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	8	13.45
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	7	13.45
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	7	13.45
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	7	13.45
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	13	13.45
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	19	13.44
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	19	13.44
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	19	13.44
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	17	13.43
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	17	13.43
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	17	13.43
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	16	13.43
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	16	13.43
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	16	13.43
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	9	13.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	16	13.41
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	16	13.41
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	16	13.41
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	12	13.4
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	17	13.39
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	17	13.39
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	17	13.39
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	7	13.39
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	5	13.38
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	5	13.38
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	5	13.38
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	20	13.37
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	20	13.37
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	20	13.37
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	17	13.36
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	8	13.36
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	8	13.36
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	8	13.36
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	3	13.34
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	18	13.34
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	20	13.34
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	9	13.33
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	9	13.33
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	9	13.33
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	2	13.33
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	2	13.33
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	2	13.33
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	9	13.33
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	9	13.33
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	9	13.33
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	2	13.33
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	8	13.33
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	19	13.33
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	16	13.32
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	12	13.3
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	12	13.3
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	12	13.3
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	4	13.29
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	1	13.27
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	17	13.24
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	17	13.24
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	17	13.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD11	18	13.22
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD12	18	13.22
(1,7742)	1:106:A:GLN:H	1:7:A:LEU:HD13	18	13.22
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	10	13.19
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	9	13.15
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	9	13.15
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	9	13.15
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	5	13.14
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	11	13.06
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	11	13.06
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	11	13.06
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	11	13.06
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	17	13.05
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	17	13.05
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	17	13.05
(1,7528)	1:35:A:ARG:H	1:81:A:SER:HA	15	13.01
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	15	12.99
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	15	12.99
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	15	12.99
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	10	12.99
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	10	12.99
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	10	12.99
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	19	12.99
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	19	12.99
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	19	12.99
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	8	12.97
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	8	12.97
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	8	12.97
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	10	12.96
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	10	12.96
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	10	12.96
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	2	12.94
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	2	12.94
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	2	12.94
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	4	12.94
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	4	12.94
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	4	12.94
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	2	12.92
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	2	12.92
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	2	12.92
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	6	12.92
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	6	12.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	6	12.92
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	1	12.92
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	1	12.92
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	1	12.92
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	4	12.9
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	4	12.9
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	4	12.9
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	14	12.9
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	14	12.9
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	14	12.9
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	18	12.9
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	18	12.9
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	18	12.9
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	15	12.89
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	15	12.89
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	15	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	1	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	1	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	1	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	3	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	3	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	3	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	20	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	20	12.89
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	20	12.89
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	13	12.89
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	13	12.89
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	13	12.89
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	15	12.88
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	15	12.88
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	15	12.88
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	16	12.88
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	16	12.88
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	16	12.88
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	14	12.86
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	14	12.86
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	14	12.86
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	15	12.86
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	15	12.86
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	15	12.86
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	9	12.86
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	9	12.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	9	12.86
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	12	12.85
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	12	12.85
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	12	12.85
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	10	12.84
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	10	12.84
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	10	12.84
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	7	12.84
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	7	12.84
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	7	12.84
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	20	12.84
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	20	12.84
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	20	12.84
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	6	12.84
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	6	12.84
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	6	12.84
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	10	12.83
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	10	12.83
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	10	12.83
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	5	12.83
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	5	12.83
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	5	12.83
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	2	12.82
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	2	12.82
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	2	12.82
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	3	12.82
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	3	12.82
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	3	12.82
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	20	12.81
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	20	12.81
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	20	12.81
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD11	6	12.81
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD12	6	12.81
(1,7714)	1:97:A:SER:H	1:22:A:ILE:HD13	6	12.81
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	3	12.8
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	3	12.8
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	3	12.8
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	1	12.8
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	1	12.8
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	1	12.8
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	2	12.79
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	2	12.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	2	12.79
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	1	12.79
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	1	12.79
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	1	12.79
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	4	12.79
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	4	12.79
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	4	12.79
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	4	12.78
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	4	12.78
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	4	12.78
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	6	12.78
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	6	12.78
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	6	12.78
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	13	12.78
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	13	12.78
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	13	12.78
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	14	12.78
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	14	12.78
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	14	12.78
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	6	12.77
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	6	12.77
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	6	12.77
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	14	12.76
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	14	12.76
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	14	12.76
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	20	12.76
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	20	12.76
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	20	12.76
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	19	12.76
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	19	12.76
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	19	12.76
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	3	12.75
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	3	12.75
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	3	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	13	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	13	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	13	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	16	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	16	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	16	12.75
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	11	12.74
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	11	12.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	11	12.74
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	1	12.73
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	1	12.73
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	1	12.73
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	14	12.73
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	14	12.73
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	14	12.73
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	18	12.71
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	18	12.71
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	18	12.71
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	5	12.71
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	5	12.71
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	5	12.71
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	7	12.7
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	7	12.7
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	7	12.7
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	5	12.69
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	5	12.69
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	5	12.69
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	13	12.68
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	13	12.68
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	13	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	3	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	3	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	3	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	7	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	7	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	7	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	10	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	10	12.68
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	10	12.68
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	11	12.67
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	11	12.67
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	11	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	1	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	1	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	1	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	9	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	9	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	9	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	12	12.67
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	12	12.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	12	12.67
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	16	12.66
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	16	12.66
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	16	12.66
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	16	12.66
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	16	12.66
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	16	12.66
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	3	12.66
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	3	12.66
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	3	12.66
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	20	12.66
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	20	12.66
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	20	12.66
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	6	12.65
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	6	12.65
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	6	12.65
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	13	12.64
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	13	12.64
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	13	12.64
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	8	12.63
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	8	12.63
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	8	12.63
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	19	12.63
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	19	12.63
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	19	12.63
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	19	12.62
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	19	12.62
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	19	12.62
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	18	12.62
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	18	12.62
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	18	12.62
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	11	12.61
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	11	12.61
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	11	12.61
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	2	12.61
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	2	12.61
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	2	12.61
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	7	12.6
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	7	12.6
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	7	12.6
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	19	12.6
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	19	12.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	19	12.6
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	15	12.6
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	15	12.6
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	15	12.6
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	7	12.59
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	7	12.59
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	7	12.59
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	14	12.59
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	14	12.59
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	14	12.59
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	4	12.59
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	4	12.59
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	4	12.59
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	5	12.58
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	5	12.58
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	5	12.58
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	17	12.58
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	17	12.58
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	17	12.58
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	5	12.58
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	5	12.58
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	5	12.58
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	8	12.58
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	8	12.58
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	8	12.58
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	12	12.57
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	12	12.57
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	12	12.57
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	16	12.57
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	16	12.57
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	16	12.57
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	2	12.57
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	2	12.57
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	2	12.57
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	8	12.56
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	8	12.56
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	8	12.56
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	1	12.56
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	1	12.56
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	1	12.56
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	2	12.56
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	2	12.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	2	12.56
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	12	12.56
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	12	12.56
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	12	12.56
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	2	12.56
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	2	12.56
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	2	12.56
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	14	12.55
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	14	12.55
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	14	12.55
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	16	12.55
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	16	12.55
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	16	12.55
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	9	12.54
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	9	12.54
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	9	12.54
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	13	12.54
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	13	12.54
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	13	12.54
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG21	11	12.54
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG22	11	12.54
(1,7623)	1:78:A:GLN:HE22	1:88:A:VAL:HG23	11	12.54
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	4	12.54
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	4	12.54
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	4	12.54
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	19	12.53
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	19	12.53
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	19	12.53
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	19	12.53
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	19	12.53
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	19	12.53
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	10	12.53
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	10	12.53
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	10	12.53
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	20	12.53
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	20	12.53
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	20	12.53
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	17	12.52
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	17	12.52
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	17	12.52
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	18	12.52
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	18	12.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	18	12.52
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	9	12.52
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	9	12.52
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	9	12.52
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	15	12.52
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	15	12.52
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	15	12.52
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	17	12.52
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	17	12.52
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	17	12.52
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	7	12.52
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	7	12.52
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	7	12.52
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	10	12.51
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	10	12.51
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	10	12.51
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	12	12.51
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	12	12.51
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	12	12.51
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	19	12.51
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	19	12.51
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	19	12.51
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	6	12.51
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	6	12.51
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	6	12.51
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	13	12.51
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	13	12.51
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	13	12.51
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG21	11	12.51
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG22	11	12.51
(1,7516)	1:26:A:ALA:H	1:88:A:VAL:HG23	11	12.51
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	12	12.51
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	12	12.51
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	12	12.51
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	8	12.5
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	8	12.5
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	8	12.5
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	7	12.5
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	7	12.5
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	7	12.5
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	15	12.5
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	15	12.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	15	12.5
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	5	12.5
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	5	12.5
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	5	12.5
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	14	12.5
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	14	12.5
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	14	12.5
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	9	12.48
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	9	12.48
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	9	12.48
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	5	12.48
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	5	12.48
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	5	12.48
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	17	12.47
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	17	12.47
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	17	12.47
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	16	12.47
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	16	12.47
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	16	12.47
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	12	12.47
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	12	12.47
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	12	12.47
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	10	12.47
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	10	12.47
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	10	12.47
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	1	12.46
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	1	12.46
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	1	12.46
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	1	12.46
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	1	12.46
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	1	12.46
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	3	12.46
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	3	12.46
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	3	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	1	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	1	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	1	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	2	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	2	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	2	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	4	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	4	12.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	4	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	18	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	18	12.46
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	18	12.46
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	11	12.45
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	11	12.45
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	11	12.45
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	14	12.45
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	14	12.45
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	14	12.45
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	18	12.45
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	18	12.45
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	18	12.45
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	15	12.45
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	15	12.45
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	15	12.45
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	12	12.44
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	12	12.44
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	12	12.44
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	8	12.44
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	8	12.44
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	8	12.44
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	5	12.44
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	5	12.44
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	5	12.44
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	7	12.44
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	7	12.44
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	7	12.44
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	17	12.43
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	17	12.43
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	17	12.43
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	3	12.43
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	3	12.43
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	3	12.43
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG21	4	12.43
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG22	4	12.43
(1,7705)	1:96:A:THR:H	1:74:A:THR:HG23	4	12.43
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	15	12.43
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	15	12.43
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	15	12.43
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	3	12.43
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	3	12.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	3	12.43
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	7	12.42
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	7	12.42
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	7	12.42
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	6	12.41
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	6	12.41
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	6	12.41
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	13	12.4
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	13	12.4
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	13	12.4
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	18	12.4
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	18	12.4
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	18	12.4
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	16	12.4
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	16	12.4
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	16	12.4
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	11	12.39
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	11	12.39
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	11	12.39
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	17	12.38
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	17	12.38
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	17	12.38
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	12	12.37
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	12	12.37
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	12	12.37
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	11	12.37
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	11	12.37
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	11	12.37
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD11	18	12.36
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD12	18	12.36
(1,7740)	1:105:A:ALA:HA	1:7:A:LEU:HD13	18	12.36
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	9	12.36
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	9	12.36
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	9	12.36
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	8	12.36
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	8	12.36
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	8	12.36
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	4	12.35
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	4	12.35
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	4	12.35
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	17	12.34
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	17	12.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	17	12.34
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	10	12.34
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	10	12.34
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	10	12.34
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	20	12.34
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	20	12.34
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	20	12.34
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	5	12.33
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	5	12.33
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	5	12.33
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	4	12.32
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	4	12.32
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	4	12.32
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	20	12.32
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	20	12.32
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	20	12.32
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	11	12.32
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	11	12.32
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	11	12.32
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	9	12.31
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	9	12.31
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	9	12.31
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	3	12.3
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	3	12.3
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	3	12.3
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	12	12.29
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	12	12.29
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	12	12.29
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD11	15	12.29
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD12	15	12.29
(1,7517)	1:26:A:ALA:H	1:93:A:ILE:HD13	15	12.29
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	6	12.29
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	6	12.29
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	6	12.29
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	9	12.28
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	9	12.28
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	9	12.28
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	13	12.28
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	13	12.28
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	13	12.28
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB1	19	12.28
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB2	19	12.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7457)	1:4:A:GLY:H	1:109:A:ALA:HB3	19	12.28
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD11	18	12.27
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD12	18	12.27
(1,7739)	1:105:A:ALA:H	1:7:A:LEU:HD13	18	12.27
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	19	12.25
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	19	12.25
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	19	12.25
(1,7588)	1:74:A:THR:HG21	1:93:A:ILE:HA	8	12.24
(1,7588)	1:74:A:THR:HG22	1:93:A:ILE:HA	8	12.24
(1,7588)	1:74:A:THR:HG23	1:93:A:ILE:HA	8	12.24
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD11	18	12.22
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD12	18	12.22
(1,7744)	1:109:A:ALA:HA	1:7:A:LEU:HD13	18	12.22
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	18	12.22
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	1	12.2
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	4	12.2
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	1	12.18
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	1	12.18
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	1	12.18
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	2	12.18
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	2	12.18
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	2	12.18
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	10	12.16
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	10	12.16
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	10	12.16
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	16	12.15
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	16	12.15
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	16	12.15
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	7	12.15
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	14	12.14
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	14	12.14
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	14	12.14
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	18	12.14
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	18	12.14
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	18	12.14
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	11	12.13
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	11	12.13
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	11	12.13
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	3	12.13
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	16	12.13
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	8	12.12
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	15	12.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	15	12.11
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	15	12.11
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	7	12.1
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	7	12.1
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	7	12.1
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	12	12.09
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	12	12.09
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	12	12.09
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	17	12.09
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	13	12.08
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	13	12.08
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	13	12.08
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	9	12.08
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	14	12.07
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	20	12.07
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	9	12.06
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	9	12.06
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	9	12.06
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	17	12.06
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	17	12.06
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	17	12.06
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	6	12.05
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	13	12.05
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	19	12.05
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	4	12.04
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	4	12.04
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	4	12.04
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	3	12.03
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	3	12.03
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	3	12.03
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	20	12.03
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	20	12.03
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	20	12.03
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	6	12.02
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	6	12.02
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	6	12.02
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	5	12.02
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	18	12.02
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	5	12.01
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	5	12.01
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	5	12.01
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	2	12.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	10	11.99
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	8	11.99
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	16	11.99
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	17	11.99
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG21	8	11.98
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG22	8	11.98
(1,7715)	1:97:A:SER:H	1:74:A:THR:HG23	8	11.98
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	12	11.98
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	7	11.98
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	4	11.97
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	10	11.93
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	10	11.93
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	10	11.93
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	15	11.93
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	15	11.93
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	15	11.93
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	1	11.93
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	19	11.92
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	2	11.91
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	2	11.91
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	2	11.91
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	9	11.91
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	3	11.9
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	3	11.9
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	3	11.9
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	20	11.9
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	20	11.9
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	20	11.9
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	1	11.89
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	1	11.89
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	1	11.89
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	4	11.89
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	4	11.89
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	4	11.89
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	6	11.88
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	6	11.88
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	6	11.88
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	14	11.88
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	3	11.87
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	20	11.86
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	6	11.85
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	13	11.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	11	11.82
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	10	11.82
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	14	11.8
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	14	11.8
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	14	11.8
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	5	11.8
(1,7527)	1:34:A:GLY:H	1:81:A:SER:HB3	15	11.79
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	2	11.79
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	13	11.76
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	13	11.76
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	13	11.76
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	12	11.73
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	11	11.72
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	11	11.72
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	11	11.72
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	16	11.72
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	16	11.72
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	16	11.72
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	5	11.7
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	5	11.7
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	5	11.7
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	7	11.69
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	7	11.69
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	7	11.69
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	19	11.66
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	19	11.66
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	19	11.66
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	10	11.65
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	10	11.65
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	10	11.65
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	10	11.65
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	10	11.65
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	10	11.65
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	10	11.65
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	10	11.65
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	10	11.65
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	10	11.65
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	10	11.65
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	10	11.65
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	15	11.65
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	15	11.65
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	15	11.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	1	11.64
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	1	11.64
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	1	11.64
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	2	11.63
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	2	11.63
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	2	11.63
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	10	11.62
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	10	11.62
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	10	11.62
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	8	11.61
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	8	11.61
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	8	11.61
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	17	11.61
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	17	11.61
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	17	11.61
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	17	11.61
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	17	11.61
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	17	11.61
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	17	11.61
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	17	11.61
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	17	11.61
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	17	11.61
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	17	11.61
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	17	11.61
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	17	11.59
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	17	11.59
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	17	11.59
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	20	11.58
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	20	11.58
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	20	11.58
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	11	11.57
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	11	11.57
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	11	11.57
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	11	11.57
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	11	11.57
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	11	11.57
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	11	11.57
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	11	11.57
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	11	11.57
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	1	11.57
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	1	11.57
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	1	11.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	1	11.57
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	1	11.57
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	1	11.57
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	11	11.57
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	11	11.57
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	11	11.57
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	11	11.57
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	11	11.57
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	11	11.57
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	11	11.57
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	11	11.57
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	11	11.57
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	17	11.56
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	17	11.56
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	17	11.56
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	17	11.56
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	17	11.56
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	17	11.56
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	17	11.56
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	17	11.56
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	17	11.56
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	17	11.56
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	17	11.56
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	17	11.56
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	17	11.56
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	17	11.56
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	17	11.56
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	17	11.56
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	17	11.56
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	17	11.56
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	4	11.56
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	4	11.56
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	4	11.56
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	15	11.55
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	15	11.55
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	15	11.55
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	15	11.55
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	15	11.55
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	15	11.55
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	15	11.55
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	15	11.55
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	15	11.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	15	11.55
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	15	11.55
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	15	11.55
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	10	11.55
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	10	11.55
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	10	11.55
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	16	11.54
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	16	11.54
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	16	11.54
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	18	11.54
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	18	11.54
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	18	11.54
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	18	11.54
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	18	11.54
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	18	11.54
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	15	11.54
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	15	11.54
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	15	11.54
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	17	11.53
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	17	11.53
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	17	11.53
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	19	11.53
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	19	11.53
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	19	11.53
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	6	11.53
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	1	11.53
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	1	11.53
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	1	11.53
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	2	11.52
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	2	11.52
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	2	11.52
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	8	11.52
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	8	11.52
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	8	11.52
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	14	11.52
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	14	11.52
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	14	11.52
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	11	11.52
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	10	11.51
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	10	11.51
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	10	11.51
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	10	11.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	10	11.51
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	10	11.51
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	19	11.5
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	19	11.5
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	19	11.5
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	19	11.5
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	19	11.5
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	19	11.5
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	12	11.5
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	12	11.5
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	12	11.5
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	12	11.5
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	12	11.5
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	12	11.5
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	11	11.5
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	11	11.5
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	11	11.5
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	10	11.49
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	10	11.49
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	10	11.49
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	10	11.49
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	10	11.49
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	10	11.49
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	10	11.49
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	10	11.49
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	10	11.49
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	1	11.49
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	1	11.49
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	1	11.49
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	7	11.49
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	7	11.49
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	7	11.49
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	18	11.49
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	18	11.49
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	18	11.49
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	14	11.49
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	11	11.49
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	11	11.49
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	11	11.49
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	11	11.49
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	11	11.49
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	11	11.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7526)	1:34:A:GLY:H	1:81:A:SER:HA	15	11.49
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	10	11.49
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	10	11.49
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	10	11.49
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	10	11.49
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	10	11.49
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	10	11.49
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	10	11.49
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	10	11.49
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	10	11.49
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	14	11.49
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	14	11.49
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	14	11.49
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	3	11.49
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	3	11.49
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	3	11.49
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	10	11.48
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	10	11.48
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	10	11.48
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	2	11.48
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	2	11.48
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	2	11.48
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	2	11.48
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	2	11.48
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	2	11.48
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	6	11.48
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	6	11.48
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	6	11.48
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	3	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	3	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	3	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	3	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	3	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	3	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	8	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	8	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	8	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	8	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	8	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	8	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	16	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	16	11.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	16	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	16	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	16	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	16	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	17	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	17	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	17	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	17	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	17	11.47
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	17	11.47
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	2	11.46
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	2	11.46
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	2	11.46
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	2	11.46
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	2	11.46
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	2	11.46
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	2	11.46
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	2	11.46
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	2	11.46
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	6	11.46
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	6	11.46
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	6	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	4	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	4	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	4	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	4	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	4	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	4	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	14	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	14	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	14	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	14	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	14	11.46
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	14	11.46
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	2	11.46
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	2	11.46
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	2	11.46
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	2	11.46
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	2	11.46
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	2	11.46
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	2	11.46
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	2	11.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	2	11.46
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	4	11.46
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	4	11.46
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	4	11.46
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	19	11.46
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	19	11.46
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	19	11.46
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	14	11.46
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	14	11.46
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	14	11.46
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	1	11.45
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	1	11.45
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	1	11.45
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	1	11.45
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	1	11.45
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	1	11.45
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	20	11.45
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	7	11.45
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	7	11.45
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	7	11.45
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	7	11.45
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	7	11.45
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	7	11.45
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	19	11.45
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	19	11.45
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	19	11.45
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	19	11.45
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	19	11.45
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	19	11.45
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	1	11.45
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	1	11.45
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	1	11.45
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	1	11.45
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	1	11.45
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	1	11.45
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	3	11.45
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	3	11.45
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	3	11.45
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	9	11.44
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	9	11.44
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	9	11.44
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	8	11.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	8	11.44
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	8	11.44
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	8	11.44
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	8	11.44
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	8	11.44
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	8	11.44
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	8	11.44
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	8	11.44
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	13	11.44
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	13	11.44
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	13	11.44
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	3	11.44
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	13	11.44
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	19	11.44
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	7	11.44
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	7	11.44
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	7	11.44
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	7	11.44
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	7	11.44
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	7	11.44
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	14	11.44
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	14	11.44
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	14	11.44
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	14	11.44
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	14	11.44
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	14	11.44
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	15	11.44
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	15	11.44
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	15	11.44
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	15	11.44
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	15	11.44
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	15	11.44
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	17	11.44
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	17	11.44
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	17	11.44
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	17	11.44
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	17	11.44
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	17	11.44
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	8	11.44
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	8	11.44
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	8	11.44
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	8	11.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	8	11.44
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	8	11.44
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	8	11.44
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	8	11.44
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	8	11.44
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	7	11.44
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	7	11.44
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	7	11.44
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	16	11.44
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	16	11.44
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	16	11.44
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	18	11.43
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	18	11.43
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	18	11.43
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	2	11.43
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	2	11.43
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	2	11.43
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	2	11.43
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	2	11.43
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	2	11.43
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	16	11.43
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	16	11.43
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	16	11.43
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	16	11.43
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	16	11.43
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	16	11.43
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	2	11.43
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	2	11.43
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	2	11.43
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD11	12	11.42
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD12	12	11.42
(1,7737)	1:104:A:VAL:H	1:7:A:LEU:HD13	12	11.42
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	20	11.42
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	20	11.42
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	20	11.42
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	5	11.42
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	8	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	6	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	6	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	6	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	6	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	6	11.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	6	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	12	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	12	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	12	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	12	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	12	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	12	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	13	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	13	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	13	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	13	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	13	11.42
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	13	11.42
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	7	11.41
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	7	11.41
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	7	11.41
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	7	11.41
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	7	11.41
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	7	11.41
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	7	11.41
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	7	11.41
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	7	11.41
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	5	11.41
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	5	11.41
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	5	11.41
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	9	11.41
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	9	11.41
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	9	11.41
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	11	11.41
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	11	11.41
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	11	11.41
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	7	11.41
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	7	11.41
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	7	11.41
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	7	11.41
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	7	11.41
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	7	11.41
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	7	11.41
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	7	11.41
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	7	11.41
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	7	11.41
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	19	11.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	19	11.4
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	19	11.4
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	19	11.4
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	19	11.4
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	19	11.4
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	19	11.4
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	19	11.4
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	19	11.4
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	15	11.4
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	15	11.4
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	15	11.4
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	15	11.4
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	15	11.4
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	15	11.4
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	6	11.4
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	6	11.4
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	6	11.4
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	6	11.4
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	6	11.4
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	6	11.4
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	19	11.4
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	19	11.4
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	19	11.4
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	19	11.4
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	19	11.4
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	19	11.4
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	19	11.4
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	19	11.4
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	19	11.4
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	17	11.4
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	17	11.4
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	17	11.4
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	5	11.39
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	5	11.39
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	5	11.39
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	5	11.39
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	5	11.39
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	5	11.39
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	14	11.39
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	14	11.39
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	14	11.39
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	14	11.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	14	11.39
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	14	11.39
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	14	11.39
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	14	11.39
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	14	11.39
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	12	11.39
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	12	11.39
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	12	11.39
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	9	11.39
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	1	11.39
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	1	11.39
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	1	11.39
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	1	11.39
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	1	11.39
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	1	11.39
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	5	11.39
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	5	11.39
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	5	11.39
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	5	11.39
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	5	11.39
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	5	11.39
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	14	11.39
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	14	11.39
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	14	11.39
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	14	11.39
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	14	11.39
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	14	11.39
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	14	11.39
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	14	11.39
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	14	11.39
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	7	11.39
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	7	11.39
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	7	11.39
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	18	11.39
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	18	11.39
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	18	11.39
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	11	11.39
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	11	11.39
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	11	11.39
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	7	11.38
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	7	11.38
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	7	11.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	7	11.38
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	7	11.38
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	7	11.38
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	20	11.38
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	20	11.38
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	20	11.38
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	20	11.38
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	20	11.38
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	20	11.38
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	4	11.38
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	4	11.38
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	4	11.38
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	4	11.38
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	4	11.38
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	4	11.38
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	4	11.38
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	4	11.38
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	4	11.38
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	4	11.38
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	4	11.38
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	4	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	9	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	9	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	9	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	9	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	9	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	9	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	20	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	20	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	20	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	20	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	20	11.38
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	20	11.38
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	11	11.38
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	11	11.38
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	11	11.38
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	11	11.38
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	11	11.38
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	11	11.38
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	7	11.38
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	7	11.38
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	7	11.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	7	11.38
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	7	11.38
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	7	11.38
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	20	11.38
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	20	11.38
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	20	11.38
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	20	11.38
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	20	11.38
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	20	11.38
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	4	11.38
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	4	11.38
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	4	11.38
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	4	11.38
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	4	11.38
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	4	11.38
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	4	11.38
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	4	11.38
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	4	11.38
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	16	11.38
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	16	11.38
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	16	11.38
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	1	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	1	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	1	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	1	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	1	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	1	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	1	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	1	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	1	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	12	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	12	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	12	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	12	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	12	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	12	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	12	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	12	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	12	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	16	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	16	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	16	11.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	16	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	16	11.37
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	16	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	16	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	16	11.37
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	16	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	5	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	5	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	5	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	5	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	5	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	5	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	10	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	10	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	10	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD11	10	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD12	10	11.37
(1,7622)	1:78:A:GLN:HE21	1:93:A:ILE:HD13	10	11.37
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	13	11.37
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	13	11.37
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	13	11.37
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	13	11.37
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	13	11.37
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	13	11.37
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	18	11.37
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	18	11.37
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	18	11.37
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	18	11.37
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	18	11.37
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	18	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	1	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	1	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	1	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	1	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	1	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	1	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	1	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	1	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	1	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	12	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	12	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	12	11.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	12	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	12	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	12	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	12	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	12	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	12	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	16	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	16	11.37
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	16	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	16	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	16	11.37
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	16	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	16	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	16	11.37
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	16	11.37
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	6	11.37
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	6	11.37
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	6	11.37
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	6	11.37
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	6	11.37
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	6	11.37
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	6	11.36
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	6	11.36
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	6	11.36
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	6	11.36
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	6	11.36
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	6	11.36
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	6	11.36
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	6	11.36
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	6	11.36
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	18	11.36
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	18	11.36
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	18	11.36
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	18	11.36
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	18	11.36
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	18	11.36
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	18	11.36
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	18	11.36
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	18	11.36
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	3	11.36
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	3	11.36
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	3	11.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7694)	1:93:A:ILE:HD11	1:78:A:GLN:HB3	15	11.36
(1,7694)	1:93:A:ILE:HD12	1:78:A:GLN:HB3	15	11.36
(1,7694)	1:93:A:ILE:HD13	1:78:A:GLN:HB3	15	11.36
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	11	11.36
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	17	11.36
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	6	11.36
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	6	11.36
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	6	11.36
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	6	11.36
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	6	11.36
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	6	11.36
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	6	11.36
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	6	11.36
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	6	11.36
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	18	11.36
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	18	11.36
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	18	11.36
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	18	11.36
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	18	11.36
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	18	11.36
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	18	11.36
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	18	11.36
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	18	11.36
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	15	11.36
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	15	11.36
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	15	11.36
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	15	11.36
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	15	11.36
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	15	11.36
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	15	11.35
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	15	11.35
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	15	11.35
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	15	11.35
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	15	11.35
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	15	11.35
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	15	11.35
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	15	11.35
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	15	11.35
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	1	11.35
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	8	11.35
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	8	11.35
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	8	11.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	8	11.35
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	8	11.35
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	8	11.35
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	15	11.35
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	15	11.35
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	15	11.35
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	15	11.35
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	15	11.35
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	15	11.35
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	15	11.35
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	15	11.35
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	15	11.35
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	13	11.34
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	13	11.34
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	13	11.34
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	13	11.34
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	13	11.34
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	13	11.34
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	13	11.34
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	13	11.34
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	13	11.34
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	1	11.34
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	1	11.34
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	1	11.34
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	1	11.34
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	1	11.34
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	1	11.34
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	4	11.34
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	4	11.34
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	4	11.34
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	4	11.34
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	4	11.34
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	4	11.34
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	13	11.34
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	13	11.34
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	13	11.34
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	13	11.34
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	13	11.34
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	13	11.34
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	13	11.34
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	13	11.34
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	13	11.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	4	11.33
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	16	11.33
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	3	11.33
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	3	11.33
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	3	11.33
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	3	11.33
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	3	11.33
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	3	11.33
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	20	11.33
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	20	11.33
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	20	11.33
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	20	11.33
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	20	11.33
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	20	11.33
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	20	11.33
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	20	11.33
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	20	11.33
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	9	11.31
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	9	11.31
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	9	11.31
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	9	11.31
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	9	11.31
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	9	11.31
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	20	11.3
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	20	11.3
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	20	11.3
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	20	11.3
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	20	11.3
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	20	11.3
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	20	11.3
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	20	11.3
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	20	11.3
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG12	5	11.3
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG12	5	11.3
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG12	5	11.3
(1,7493)	1:22:A:ILE:HG21	1:93:A:ILE:HG13	5	11.3
(1,7493)	1:22:A:ILE:HG22	1:93:A:ILE:HG13	5	11.3
(1,7493)	1:22:A:ILE:HG23	1:93:A:ILE:HG13	5	11.3
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	20	11.3
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	20	11.3
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	20	11.3
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	20	11.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	20	11.3
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	20	11.3
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	20	11.3
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	20	11.3
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	20	11.3
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	19	11.3
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	19	11.3
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	19	11.3
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	9	11.29
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	9	11.29
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	9	11.29
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	9	11.29
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	9	11.29
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	9	11.29
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	9	11.29
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	9	11.29
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	9	11.29
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	18	11.29
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	9	11.29
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	9	11.29
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	9	11.29
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	9	11.29
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	9	11.29
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	9	11.29
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	9	11.29
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	9	11.29
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	9	11.29
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	5	11.29
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	5	11.29
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	5	11.29
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	5	11.28
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	5	11.28
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	5	11.28
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	5	11.28
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	5	11.28
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	5	11.28
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	5	11.28
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	5	11.28
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	5	11.28
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	5	11.28
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	5	11.28
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	5	11.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	5	11.28
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	5	11.28
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	5	11.28
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	5	11.28
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	5	11.28
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	5	11.28
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD11	3	11.26
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD12	3	11.26
(1,7702)	1:93:A:ILE:HG21	1:22:A:ILE:HD13	3	11.26
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD11	3	11.26
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD12	3	11.26
(1,7702)	1:93:A:ILE:HG22	1:22:A:ILE:HD13	3	11.26
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD11	3	11.26
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD12	3	11.26
(1,7702)	1:93:A:ILE:HG23	1:22:A:ILE:HD13	3	11.26
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG21	3	11.26
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG22	3	11.26
(1,7491)	1:22:A:ILE:HD11	1:93:A:ILE:HG23	3	11.26
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG21	3	11.26
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG22	3	11.26
(1,7491)	1:22:A:ILE:HD12	1:93:A:ILE:HG23	3	11.26
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG21	3	11.26
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG22	3	11.26
(1,7491)	1:22:A:ILE:HD13	1:93:A:ILE:HG23	3	11.26
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	12	11.26
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	12	11.26
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	12	11.26
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	8	11.26
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	8	11.26
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	8	11.26
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	3	11.25
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	3	11.25
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	3	11.25
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	3	11.25
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	3	11.25
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	3	11.25
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	13	11.24
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	13	11.24
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	13	11.24
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	11	11.23
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	11	11.23
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	11	11.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	11	11.23
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	11	11.23
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	11	11.23
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	11	11.23
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	11	11.23
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	11	11.23
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	11	11.23
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	11	11.23
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	11	11.23
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	5	11.22
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	5	11.22
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	5	11.22
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	17	11.21
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	17	11.21
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	17	11.21
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	4	11.2
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	4	11.2
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	4	11.2
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	4	11.2
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	4	11.2
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	4	11.2
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	8	11.2
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	8	11.2
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	8	11.2
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	10	11.2
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	10	11.2
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	10	11.2
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	10	11.2
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	10	11.2
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	10	11.2
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	18	11.19
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	18	11.19
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	18	11.19
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	18	11.19
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	18	11.19
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	18	11.19
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	13	11.19
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	13	11.19
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	13	11.19
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	6	11.18
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	6	11.18
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	6	11.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	1	11.18
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	1	11.18
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	1	11.18
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	1	11.18
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	1	11.18
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	1	11.18
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	6	11.17
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	6	11.17
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	6	11.17
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	6	11.17
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	6	11.17
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	6	11.17
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	2	11.17
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	2	11.17
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	2	11.17
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	2	11.17
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	2	11.17
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	2	11.17
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	4	11.17
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	4	11.17
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	4	11.17
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	4	11.17
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	4	11.17
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	4	11.17
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	15	11.16
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	15	11.16
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	15	11.16
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	15	11.16
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	15	11.16
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	15	11.16
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	4	11.15
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	4	11.15
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	4	11.15
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	4	11.15
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	4	11.15
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	4	11.15
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	15	11.15
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	15	11.15
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	15	11.15
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	15	11.15
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	15	11.15
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	15	11.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	4	11.15
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	4	11.15
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	4	11.15
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	4	11.15
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	4	11.15
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	4	11.15
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	6	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	6	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	6	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	6	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	6	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	6	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	11	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	11	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	11	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	11	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	11	11.14
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	11	11.14
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	15	11.13
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	15	11.13
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	15	11.13
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	15	11.13
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	15	11.13
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	15	11.13
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	15	11.13
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	15	11.13
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	15	11.13
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	19	11.13
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	19	11.13
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	19	11.13
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	19	11.13
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	19	11.13
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	19	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	8	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	8	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	8	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	8	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	8	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	8	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	12	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	12	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	12	11.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	12	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	12	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	12	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	14	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	14	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	14	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	14	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	14	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	14	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	20	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	20	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	20	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	20	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	20	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	20	11.13
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	19	11.13
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	19	11.13
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	19	11.13
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	19	11.13
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	19	11.13
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	19	11.13
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	15	11.13
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	15	11.13
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	15	11.13
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	15	11.13
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	15	11.13
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	15	11.13
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	15	11.13
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	15	11.13
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	15	11.13
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	13	11.1
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	13	11.1
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	13	11.1
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	13	11.1
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	13	11.1
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	13	11.1
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG21	9	11.1
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG22	9	11.1
(1,7464)	1:13:A:LEU:HA	1:100:A:VAL:HG23	9	11.1
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	10	11.09
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	10	11.09
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	10	11.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	10	11.09
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	10	11.09
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	10	11.09
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	10	11.09
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	10	11.09
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	10	11.09
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	11	11.09
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	11	11.09
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	11	11.09
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	11	11.09
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	11	11.09
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	11	11.09
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	20	11.09
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	20	11.09
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	20	11.09
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	20	11.09
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	20	11.09
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	20	11.09
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	10	11.09
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	10	11.09
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	10	11.09
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	10	11.09
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	10	11.09
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	10	11.09
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	10	11.09
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	10	11.09
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	10	11.09
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	2	11.08
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	2	11.08
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	2	11.08
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	2	11.08
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	2	11.08
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	2	11.08
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	2	11.08
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	2	11.08
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	2	11.08
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	16	11.08
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	16	11.08
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	16	11.08
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	16	11.08
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	16	11.08
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	16	11.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	2	11.08
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	2	11.08
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	2	11.08
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	2	11.08
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	2	11.08
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	2	11.08
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	2	11.08
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	2	11.08
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	2	11.08
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	18	11.07
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	18	11.07
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	18	11.07
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	18	11.07
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	18	11.07
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	18	11.07
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	2	11.07
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	2	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	7	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	7	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	7	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	7	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	7	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	7	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	10	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	10	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	10	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	10	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	10	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	10	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	17	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	17	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	17	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	17	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	17	11.07
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	17	11.07
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	18	11.07
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	18	11.07
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	18	11.07
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	18	11.07
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	18	11.07
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	18	11.07
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	1	11.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	1	11.06
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	1	11.06
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	1	11.06
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	1	11.06
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	1	11.06
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	1	11.06
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	1	11.06
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	1	11.06
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	4	11.06
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	4	11.06
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	4	11.06
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	4	11.06
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	4	11.06
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	4	11.06
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	4	11.06
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	4	11.06
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	4	11.06
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	9	11.06
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	9	11.06
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	10	11.06
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	10	11.06
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	19	11.06
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	19	11.06
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	19	11.06
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	19	11.06
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	19	11.06
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	19	11.06
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	10	11.06
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	10	11.06
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	10	11.06
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	1	11.06
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	1	11.06
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	1	11.06
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	1	11.06
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	1	11.06
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	1	11.06
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	1	11.06
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	1	11.06
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	1	11.06
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	4	11.06
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	4	11.06
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	4	11.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	4	11.06
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	4	11.06
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	4	11.06
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	4	11.06
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	4	11.06
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	4	11.06
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	3	11.05
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	3	11.05
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	3	11.05
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	3	11.05
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	3	11.05
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	3	11.05
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	3	11.05
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	3	11.05
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	3	11.05
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	2	11.05
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	2	11.05
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	2	11.05
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	2	11.05
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	2	11.05
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	2	11.05
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	2	11.05
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	2	11.05
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	2	11.05
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	2	11.05
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	2	11.05
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	2	11.05
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	14	11.05
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	14	11.05
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	14	11.05
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	14	11.05
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	14	11.05
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	14	11.05
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	3	11.05
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	3	11.05
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	3	11.05
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	3	11.05
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	3	11.05
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	3	11.05
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	3	11.05
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	3	11.05
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	3	11.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	14	11.04
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	14	11.04
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	14	11.04
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	14	11.04
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	14	11.04
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	14	11.04
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	19	11.04
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	19	11.04
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	19	11.04
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	5	11.04
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	5	11.04
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	5	11.04
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	5	11.04
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	5	11.04
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	5	11.04
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	14	11.04
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	14	11.04
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	14	11.04
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	14	11.04
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	14	11.04
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	14	11.04
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	15	11.03
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	15	11.03
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	15	11.03
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	3	11.03
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	3	11.03
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	3	11.03
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	3	11.03
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	3	11.03
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	3	11.03
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	6	11.02
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	6	11.02
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	6	11.02
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	6	11.02
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	6	11.02
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	6	11.02
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	6	11.02
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	6	11.02
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	6	11.02
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	14	11.02
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	14	11.02
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	14	11.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	14	11.02
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	14	11.02
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	14	11.02
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	14	11.02
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	14	11.02
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	14	11.02
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	1	11.02
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	1	11.02
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	1	11.02
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	6	11.02
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	6	11.02
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	6	11.02
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	6	11.02
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	6	11.02
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	6	11.02
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	6	11.02
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	6	11.02
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	6	11.02
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	14	11.02
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	14	11.02
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	14	11.02
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	14	11.02
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	14	11.02
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	14	11.02
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	14	11.02
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	14	11.02
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	14	11.02
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	4	11.01
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	4	11.01
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	4	11.01
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	20	11.0
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	20	11.0
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	20	11.0
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	20	11.0
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	20	11.0
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	20	11.0
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	20	11.0
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	20	11.0
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	20	11.0
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	10	11.0
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	10	11.0
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	10	11.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	10	11.0
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	10	11.0
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	10	11.0
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	7	11.0
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	7	11.0
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	7	11.0
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	7	11.0
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	7	11.0
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	7	11.0
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	20	11.0
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	20	11.0
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	20	11.0
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	20	11.0
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	20	11.0
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	20	11.0
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	20	11.0
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	20	11.0
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	20	11.0
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	19	10.99
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	19	10.99
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	19	10.99
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	16	10.99
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	16	10.99
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	16	10.99
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	16	10.99
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	16	10.99
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	16	10.99
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	15	10.99
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	15	10.99
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	15	10.99
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	1	10.98
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	1	10.98
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	1	10.98
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	1	10.98
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	1	10.98
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	1	10.98
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	12	10.98
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	12	10.98
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	12	10.98
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	12	10.98
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	12	10.98
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	12	10.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	12	10.98
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	12	10.98
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	12	10.98
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	12	10.98
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	12	10.98
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	12	10.98
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	2	10.97
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	2	10.97
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	2	10.97
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	2	10.97
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	2	10.97
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	2	10.97
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	4	10.97
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	4	10.97
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	4	10.97
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	4	10.97
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	4	10.97
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	4	10.97
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	8	10.97
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	8	10.97
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	8	10.97
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	8	10.97
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	8	10.97
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	8	10.97
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	8	10.97
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	8	10.97
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	8	10.97
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	8	10.97
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	8	10.97
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	8	10.97
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	11	10.97
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	11	10.97
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	11	10.97
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	9	10.97
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	9	10.97
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	9	10.97
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	2	10.96
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	2	10.96
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	2	10.96
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	11	10.96
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	11	10.96
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	11	10.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	3	10.96
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	3	10.96
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	3	10.96
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	18	10.96
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	18	10.96
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	18	10.96
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	2	10.96
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	2	10.96
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	2	10.96
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	10	10.96
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	10	10.96
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	10	10.96
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	16	10.95
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	16	10.95
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	16	10.95
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	16	10.95
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	16	10.95
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	16	10.95
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	10	10.95
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	10	10.95
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	10	10.95
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	9	10.95
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	9	10.95
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	9	10.95
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	9	10.95
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	9	10.95
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	9	10.95
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	16	10.95
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	16	10.95
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	16	10.95
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	16	10.95
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	16	10.95
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	16	10.95
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	1	10.95
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	1	10.95
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	1	10.95
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	1	10.94
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	1	10.94
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	1	10.94
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	10	10.94
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	3	10.94
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	3	10.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	3	10.94
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	13	10.93
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	13	10.93
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	13	10.93
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	13	10.93
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	13	10.93
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	13	10.93
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	13	10.93
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	13	10.93
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	13	10.93
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	13	10.93
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	13	10.93
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	13	10.93
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	4	10.93
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	4	10.93
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	4	10.93
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	16	10.92
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	16	10.92
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	16	10.92
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	16	10.92
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	16	10.92
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	16	10.92
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	16	10.92
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	16	10.92
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	16	10.92
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG11	2	10.92
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG12	2	10.92
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG13	2	10.92
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG21	2	10.92
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG22	2	10.92
(1,7613)	1:78:A:GLN:HE21	1:88:A:VAL:HG23	2	10.92
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	2	10.92
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	2	10.92
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	2	10.92
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	16	10.92
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	16	10.92
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	16	10.92
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	16	10.92
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	16	10.92
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	16	10.92
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	16	10.92
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	16	10.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	16	10.92
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	7	10.91
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	7	10.91
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	7	10.91
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	7	10.91
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	7	10.91
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	7	10.91
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	7	10.91
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	7	10.91
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	7	10.91
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	15	10.91
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	15	10.91
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	15	10.91
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	15	10.91
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	15	10.91
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	7	10.91
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	7	10.91
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	7	10.91
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	7	10.91
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	7	10.91
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	7	10.91
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	7	10.91
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	7	10.91
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	7	10.91
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	6	10.91
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	6	10.91
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	6	10.91
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	18	10.9
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	18	10.9
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	18	10.9
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	6	10.9
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	6	10.9
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	6	10.9
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	11	10.89
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	11	10.89
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	11	10.89
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	11	10.89
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	11	10.89
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	11	10.89
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	11	10.89
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	11	10.89
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	11	10.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	13	10.89
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	13	10.89
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	13	10.89
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	13	10.89
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	13	10.89
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	13	10.89
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	13	10.89
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	13	10.89
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	13	10.89
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	11	10.89
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	11	10.89
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	11	10.89
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	11	10.89
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	11	10.89
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	11	10.89
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	20	10.89
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	20	10.89
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	20	10.89
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	20	10.89
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	20	10.89
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	20	10.89
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	3	10.89
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	3	10.89
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	3	10.89
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	3	10.89
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	3	10.89
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	3	10.89
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	12	10.89
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	12	10.89
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	3	10.89
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	3	10.89
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	3	10.89
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	3	10.89
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	3	10.89
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	3	10.89
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	13	10.89
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	13	10.89
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	13	10.89
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	13	10.89
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	13	10.89
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	13	10.89
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	11	10.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	11	10.89
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	11	10.89
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	11	10.89
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	11	10.89
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	11	10.89
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	11	10.89
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	11	10.89
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	11	10.89
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	13	10.89
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	13	10.89
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	13	10.89
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	13	10.89
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	13	10.89
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	13	10.89
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	13	10.89
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	13	10.89
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	13	10.89
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	20	10.89
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	20	10.89
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	20	10.89
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	10	10.87
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	10	10.87
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	10	10.87
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	10	10.87
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	10	10.87
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	10	10.87
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	9	10.87
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	9	10.87
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	9	10.87
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	9	10.87
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	9	10.87
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	9	10.87
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	9	10.87
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	9	10.87
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	9	10.87
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	9	10.87
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	9	10.87
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	9	10.87
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	19	10.87
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	19	10.87
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	19	10.87
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	19	10.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	19	10.87
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	19	10.87
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	14	10.86
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	14	10.86
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	14	10.86
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	16	10.86
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	16	10.86
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	16	10.86
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	2	10.86
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	14	10.86
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	14	10.86
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	14	10.86
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	5	10.85
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	5	10.85
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	5	10.85
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	5	10.85
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	5	10.85
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	5	10.85
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	5	10.85
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	5	10.85
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	5	10.85
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	14	10.85
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	14	10.85
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	14	10.85
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	14	10.85
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	14	10.85
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	14	10.85
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	6	10.85
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	6	10.85
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	6	10.85
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	6	10.85
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	6	10.85
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	6	10.85
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	6	10.85
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	6	10.85
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	6	10.85
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	5	10.85
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	5	10.85
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	5	10.85
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	5	10.85
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	5	10.85
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	5	10.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	5	10.85
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	5	10.85
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	5	10.85
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	5	10.85
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	5	10.85
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	5	10.85
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	5	10.85
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	5	10.85
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	5	10.85
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	7	10.84
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	7	10.84
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	7	10.84
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	17	10.84
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	17	10.84
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	17	10.84
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	20	10.84
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	20	10.84
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	20	10.84
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	3	10.83
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	3	10.83
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	3	10.83
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	3	10.83
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	3	10.83
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	3	10.83
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	4	10.83
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	4	10.83
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	4	10.83
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	8	10.83
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	8	10.83
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	8	10.83
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	8	10.83
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	8	10.83
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	8	10.83
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	15	10.82
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	15	10.82
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	15	10.82
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	15	10.82
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	15	10.82
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	15	10.82
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	20	10.81
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	20	10.81
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	20	10.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	20	10.81
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	20	10.81
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	20	10.81
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	20	10.81
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	20	10.81
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	20	10.81
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	19	10.81
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	19	10.81
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	19	10.81
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	19	10.81
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	19	10.81
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	19	10.81
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	19	10.81
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	19	10.81
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	19	10.81
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	19	10.81
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	19	10.81
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	19	10.81
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	19	10.81
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	19	10.81
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	19	10.81
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	19	10.81
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	19	10.81
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	19	10.81
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	7	10.8
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	7	10.8
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	7	10.8
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	7	10.8
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	7	10.8
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	7	10.8
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	12	10.8
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	12	10.8
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	12	10.8
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	13	10.8
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	13	10.8
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	13	10.8
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	6	10.8
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	6	10.8
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	6	10.8
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	15	10.79
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	15	10.79
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	15	10.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	16	10.79
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	16	10.79
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	16	10.79
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	16	10.79
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	16	10.79
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	16	10.79
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	1	10.79
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	1	10.79
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	1	10.79
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	1	10.79
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	1	10.79
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	1	10.79
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	14	10.79
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	14	10.79
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	14	10.79
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	14	10.79
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	14	10.79
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	14	10.79
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	14	10.79
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	14	10.79
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	14	10.79
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	8	10.78
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	8	10.78
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	8	10.78
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	8	10.78
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	8	10.78
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	8	10.78
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	8	10.78
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	8	10.78
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	8	10.78
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	3	10.78
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	3	10.78
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	3	10.78
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	19	10.78
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	19	10.78
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	19	10.78
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	19	10.78
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	19	10.78
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	19	10.78
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	19	10.78
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	19	10.78
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	19	10.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	12	10.78
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	12	10.78
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	12	10.78
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	5	10.78
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	5	10.78
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	5	10.78
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	8	10.78
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	8	10.78
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	8	10.78
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	8	10.78
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	8	10.78
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	8	10.78
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	8	10.78
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	8	10.78
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	8	10.78
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	17	10.77
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	17	10.77
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	17	10.77
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	10	10.77
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	10	10.77
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	10	10.77
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	10	10.77
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	10	10.77
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	10	10.77
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	10	10.77
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	10	10.77
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	10	10.77
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	13	10.77
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	13	10.77
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	13	10.77
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	13	10.77
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	13	10.77
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	13	10.77
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	13	10.77
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	13	10.77
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	13	10.77
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	18	10.77
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	18	10.77
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	14	10.77
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	14	10.77
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	14	10.77
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	19	10.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	19	10.77
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	19	10.77
(1,7461)	1:7:A:LEU:HD21	1:101:A:SER:HA	12	10.77
(1,7461)	1:7:A:LEU:HD22	1:101:A:SER:HA	12	10.77
(1,7461)	1:7:A:LEU:HD23	1:101:A:SER:HA	12	10.77
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	2	10.76
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	2	10.76
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	2	10.76
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	10	10.76
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	10	10.76
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	10	10.76
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	5	10.76
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	5	10.76
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	5	10.76
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	5	10.76
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	5	10.76
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	5	10.76
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	5	10.76
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	5	10.76
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	5	10.76
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	7	10.76
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	7	10.76
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	7	10.76
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	1	10.75
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	1	10.75
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	1	10.75
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	9	10.75
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	9	10.75
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	9	10.75
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	1	10.75
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	1	10.75
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	16	10.75
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	16	10.75
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	16	10.75
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	17	10.74
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	17	10.74
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	17	10.74
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	17	10.74
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	17	10.74
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	17	10.74
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	17	10.74
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	17	10.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	17	10.74
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	3	10.74
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	3	10.74
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	3	10.74
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	5	10.74
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	5	10.74
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	5	10.74
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	20	10.74
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	20	10.74
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	20	10.74
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	20	10.74
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	20	10.74
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	20	10.74
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	20	10.74
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	20	10.74
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	20	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	4	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	4	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	6	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	6	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	8	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	8	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	13	10.74
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	13	10.74
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	2	10.74
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	2	10.74
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	2	10.74
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	9	10.74
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	9	10.74
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	9	10.74
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	17	10.74
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	17	10.74
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	17	10.74
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	17	10.74
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	17	10.74
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	17	10.74
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	17	10.74
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	17	10.74
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	17	10.74
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	13	10.74
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	13	10.74
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	13	10.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	4	10.73
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	4	10.73
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	4	10.73
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	7	10.73
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	7	10.73
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	7	10.73
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	7	10.73
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	7	10.73
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	7	10.73
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD11	6	10.73
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD12	6	10.73
(1,7718)	1:97:A:SER:HB2	1:22:A:ILE:HD13	6	10.73
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD11	6	10.73
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD12	6	10.73
(1,7718)	1:97:A:SER:HB3	1:22:A:ILE:HD13	6	10.73
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	15	10.73
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB2	6	10.73
(1,7492)	1:22:A:ILE:HD11	1:97:A:SER:HB3	6	10.73
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB2	6	10.73
(1,7492)	1:22:A:ILE:HD12	1:97:A:SER:HB3	6	10.73
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB2	6	10.73
(1,7492)	1:22:A:ILE:HD13	1:97:A:SER:HB3	6	10.73
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	17	10.72
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	17	10.72
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	17	10.72
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	17	10.72
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	17	10.72
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	17	10.72
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	7	10.72
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	7	10.72
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	13	10.72
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	13	10.72
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	13	10.72
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	20	10.72
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	20	10.72
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	20	10.72
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	11	10.72
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	11	10.72
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	11	10.72
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	6	10.71
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	6	10.71
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	6	10.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	20	10.71
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	20	10.71
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	20	10.71
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	8	10.71
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	8	10.71
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	8	10.71
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	8	10.71
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	8	10.71
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	8	10.71
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	8	10.71
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	8	10.71
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	8	10.71
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	1	10.71
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	1	10.71
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	1	10.71
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	16	10.71
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	16	10.71
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	16	10.71
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	16	10.7
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	16	10.7
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	16	10.7
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	16	10.7
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	16	10.7
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	16	10.7
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	16	10.7
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	16	10.7
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	16	10.7
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	7	10.7
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	7	10.7
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	7	10.7
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	7	10.7
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	7	10.7
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	7	10.7
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	7	10.7
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	7	10.7
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	7	10.7
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	9	10.7
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	9	10.7
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	9	10.7
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	9	10.7
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	9	10.7
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	9	10.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	9	10.7
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	9	10.7
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	9	10.7
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	16	10.7
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	16	10.7
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	10	10.7
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	10	10.7
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	10	10.7
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	15	10.7
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	15	10.7
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	15	10.7
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	20	10.69
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	20	10.69
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	20	10.69
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	13	10.69
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	13	10.69
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	13	10.69
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	13	10.69
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	13	10.69
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	13	10.69
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	8	10.69
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	8	10.69
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	8	10.69
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	17	10.69
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	17	10.69
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	5	10.69
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	5	10.69
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	5	10.69
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	5	10.69
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	5	10.69
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	5	10.69
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	2	10.68
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	2	10.68
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	2	10.68
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	2	10.68
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	2	10.68
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	2	10.68
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	2	10.68
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	2	10.68
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	2	10.68
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	8	10.67
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	8	10.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	8	10.67
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	8	10.67
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	8	10.67
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	8	10.67
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	19	10.67
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	19	10.67
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	19	10.67
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	19	10.67
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	19	10.67
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	19	10.67
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	20	10.67
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	20	10.67
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	18	10.67
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	18	10.67
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	18	10.67
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	16	10.67
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	16	10.67
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	16	10.67
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	17	10.67
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	17	10.67
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	17	10.67
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	17	10.67
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	17	10.67
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	17	10.67
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	8	10.67
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	8	10.67
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	8	10.67
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	8	10.67
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	8	10.67
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	8	10.67
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	17	10.66
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	17	10.66
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	17	10.66
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	17	10.66
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	17	10.66
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	17	10.66
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	14	10.66
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	14	10.66
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	14	10.66
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	12	10.66
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	12	10.66
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	12	10.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	12	10.66
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	12	10.66
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	12	10.66
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	12	10.66
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	12	10.66
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	12	10.66
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	17	10.66
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	17	10.66
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	17	10.66
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	17	10.66
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	17	10.66
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	17	10.66
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	17	10.66
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	17	10.66
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	17	10.66
(1,7673)	1:88:A:VAL:HB	1:79:A:LEU:HG	12	10.66
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	17	10.66
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	17	10.66
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	17	10.66
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	17	10.66
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	17	10.66
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	17	10.66
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	5	10.65
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	5	10.65
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	5	10.65
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	5	10.65
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	5	10.65
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	5	10.65
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	3	10.65
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	3	10.65
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	3	10.65
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	3	10.65
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	3	10.65
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	3	10.65
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	3	10.65
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	3	10.65
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	3	10.65
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	16	10.65
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	16	10.65
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	16	10.65
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	16	10.65
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	16	10.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	16	10.65
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	16	10.65
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	16	10.65
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	16	10.65
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	19	10.65
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	19	10.65
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	19	10.65
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	5	10.64
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	5	10.64
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	5	10.64
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	5	10.64
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	5	10.64
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	5	10.64
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG21	6	10.64
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG22	6	10.64
(1,7716)	1:97:A:SER:HA	1:74:A:THR:HG23	6	10.64
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	8	10.63
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	8	10.63
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	8	10.63
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	8	10.63
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	8	10.63
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	8	10.63
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	20	10.63
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	20	10.63
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	20	10.63
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	20	10.63
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	20	10.63
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	20	10.63
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	7	10.63
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	7	10.63
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	7	10.63
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	7	10.63
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	7	10.63
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	7	10.63
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	4	10.62
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	4	10.62
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	4	10.62
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	8	10.62
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	8	10.62
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	8	10.62
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	11	10.62
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	11	10.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	11	10.62
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	20	10.61
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	20	10.61
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	20	10.61
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	20	10.61
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	20	10.61
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	20	10.61
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	9	10.61
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	9	10.61
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	9	10.61
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	9	10.61
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	9	10.61
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	9	10.61
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	9	10.61
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	9	10.61
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	9	10.61
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	1	10.61
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	1	10.61
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	1	10.61
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	1	10.61
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	1	10.61
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	1	10.61
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	1	10.61
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	1	10.61
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	1	10.61
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	9	10.61
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	9	10.61
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	9	10.61
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	9	10.61
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	9	10.61
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	9	10.61
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	9	10.61
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	9	10.61
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	9	10.61
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	20	10.61
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	20	10.61
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	20	10.61
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	20	10.61
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	20	10.61
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	20	10.61
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	8	10.6
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	8	10.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	8	10.6
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	8	10.6
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	8	10.6
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	8	10.6
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	8	10.6
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	8	10.6
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	8	10.6
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	17	10.6
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	17	10.6
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	17	10.6
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	8	10.6
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	8	10.6
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	8	10.6
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	12	10.59
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	12	10.59
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	12	10.59
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	12	10.59
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	12	10.59
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	12	10.59
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	12	10.59
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	12	10.59
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	12	10.59
(1,7591)	1:74:A:THR:HG21	1:96:A:THR:HA	3	10.59
(1,7591)	1:74:A:THR:HG22	1:96:A:THR:HA	3	10.59
(1,7591)	1:74:A:THR:HG23	1:96:A:THR:HA	3	10.59
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	12	10.59
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	12	10.59
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	12	10.59
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	12	10.59
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	12	10.59
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	12	10.59
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	12	10.59
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	12	10.59
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	12	10.59
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD11	18	10.58
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD12	18	10.58
(1,7741)	1:105:A:ALA:HB1	1:7:A:LEU:HD13	18	10.58
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD11	18	10.58
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD12	18	10.58
(1,7741)	1:105:A:ALA:HB2	1:7:A:LEU:HD13	18	10.58
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD11	18	10.58
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD12	18	10.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7741)	1:105:A:ALA:HB3	1:7:A:LEU:HD13	18	10.58
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	18	10.58
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	18	10.58
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	18	10.58
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	18	10.58
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	18	10.58
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	18	10.58
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	18	10.58
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	18	10.58
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	18	10.58
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB1	18	10.58
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB2	18	10.58
(1,7460)	1:7:A:LEU:HD11	1:105:A:ALA:HB3	18	10.58
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB1	18	10.58
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB2	18	10.58
(1,7460)	1:7:A:LEU:HD12	1:105:A:ALA:HB3	18	10.58
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB1	18	10.58
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB2	18	10.58
(1,7460)	1:7:A:LEU:HD13	1:105:A:ALA:HB3	18	10.58
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	4	10.57
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	4	10.57
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	4	10.57
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	4	10.57
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	4	10.57
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	4	10.57
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	4	10.57
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	4	10.57
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	4	10.57
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	7	10.56
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	7	10.56
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	7	10.56
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	17	10.56
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	17	10.56
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	17	10.56
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	17	10.55
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	17	10.55
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	17	10.55
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	17	10.55
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	17	10.55
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	17	10.55
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	17	10.55
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	17	10.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	17	10.55
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	16	10.55
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	16	10.55
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	16	10.55
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	16	10.55
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	16	10.55
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	16	10.55
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	16	10.55
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	16	10.55
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	16	10.55
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	16	10.55
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	16	10.55
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	16	10.55
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	16	10.55
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	16	10.55
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	16	10.55
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	13	10.54
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	13	10.54
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	13	10.54
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	18	10.54
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	18	10.54
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	18	10.54
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	18	10.54
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	18	10.54
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	18	10.54
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	11	10.52
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	11	10.52
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	11	10.52
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	3	10.52
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	3	10.52
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	14	10.52
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	14	10.52
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	9	10.51
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	9	10.51
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	9	10.51
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	9	10.51
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	9	10.51
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	9	10.51
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	9	10.51
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	9	10.51
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	9	10.51
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	9	10.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	9	10.51
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	9	10.51
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	9	10.51
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	9	10.51
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	9	10.51
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	11	10.51
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	11	10.51
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	11	10.51
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	11	10.51
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	11	10.51
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	11	10.51
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	11	10.51
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	11	10.51
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	11	10.51
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	19	10.51
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	19	10.51
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	9	10.51
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	9	10.51
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	9	10.51
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	9	10.51
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	9	10.51
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	9	10.51
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	5	10.49
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	5	10.49
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	5	10.49
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB1	15	10.48
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB2	15	10.48
(1,7675)	1:88:A:VAL:HG11	1:26:A:ALA:HB3	15	10.48
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB1	15	10.48
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB2	15	10.48
(1,7675)	1:88:A:VAL:HG12	1:26:A:ALA:HB3	15	10.48
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB1	15	10.48
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB2	15	10.48
(1,7675)	1:88:A:VAL:HG13	1:26:A:ALA:HB3	15	10.48
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	11	10.48
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	11	10.48
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	17	10.47
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	17	10.47
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	17	10.47
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	17	10.47
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	17	10.47
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	17	10.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	9	10.47
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	9	10.47
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	9	10.47
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	9	10.47
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	18	10.46
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	18	10.46
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	18	10.46
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	19	10.45
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	19	10.45
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	19	10.45
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	8	10.44
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	8	10.44
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	8	10.44
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	9	10.43
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	9	10.43
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	9	10.43
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	9	10.43
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	9	10.43
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	9	10.43
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	18	10.42
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	18	10.42
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	18	10.42
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	8	10.4
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	8	10.4
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	8	10.4
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB2	5	10.4
(1,7671)	1:88:A:VAL:H	1:82:A:SER:HB3	5	10.4
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	9	10.4
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	9	10.4
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	9	10.4
(1,7459)	1:7:A:LEU:HD11	1:104:A:VAL:HB	12	10.38
(1,7459)	1:7:A:LEU:HD12	1:104:A:VAL:HB	12	10.38
(1,7459)	1:7:A:LEU:HD13	1:104:A:VAL:HB	12	10.38
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	19	10.37
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	19	10.37
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	19	10.37
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	19	10.37
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	19	10.37
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	19	10.37
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB2	12	10.37
(1,7462)	1:7:A:LEU:HD21	1:101:A:SER:HB3	12	10.37
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB2	12	10.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7462)	1:7:A:LEU:HD22	1:101:A:SER:HB3	12	10.37
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB2	12	10.37
(1,7462)	1:7:A:LEU:HD23	1:101:A:SER:HB3	12	10.37
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	17	10.36
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	17	10.36
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	17	10.36
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	18	10.34
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	18	10.34
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	18	10.34
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	18	10.34
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	18	10.34
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	18	10.34
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	13	10.34
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	13	10.34
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	13	10.34
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	6	10.32
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	14	10.32
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	2	10.31
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	2	10.31
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	2	10.31
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	2	10.31
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	2	10.31
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	2	10.31
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	11	10.31
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	11	10.31
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	11	10.31
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	11	10.31
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	11	10.31
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	11	10.31
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	14	10.31
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	14	10.31
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	14	10.31
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	19	10.3
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	19	10.3
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	19	10.3
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	18	10.28
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	18	10.28
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	18	10.28
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	18	10.28
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	18	10.28
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	18	10.28
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	13	10.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	9	10.27
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	18	10.25
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	18	10.25
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	18	10.25
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	18	10.25
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	7	10.25
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	14	10.24
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	14	10.24
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	14	10.24
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	14	10.24
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	14	10.24
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	14	10.24
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	9	10.23
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	9	10.23
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	9	10.23
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	9	10.23
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	9	10.23
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	9	10.23
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	1	10.23
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	1	10.23
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	1	10.23
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	1	10.23
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	8	10.23
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	8	10.23
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	8	10.23
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	8	10.23
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	12	10.23
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	18	10.22
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	18	10.22
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	18	10.22
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	11	10.22
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	11	10.22
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	11	10.22
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	4	10.22
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	4	10.22
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	4	10.22
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	4	10.22
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	4	10.22
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	4	10.22
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	16	10.22
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	16	10.22
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	16	10.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	16	10.22
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	16	10.22
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	16	10.22
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	15	10.21
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	15	10.21
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	15	10.21
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	13	10.21
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	13	10.21
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	13	10.21
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	13	10.21
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	17	10.21
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	18	10.21
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	9	10.2
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	9	10.2
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	9	10.2
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	2	10.2
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	16	10.2
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	2	10.19
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	2	10.19
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	2	10.19
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	10	10.19
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	10	10.19
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	10	10.19
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	3	10.19
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	8	10.19
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	19	10.19
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	20	10.19
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD11	12	10.18
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD12	12	10.18
(1,7738)	1:104:A:VAL:HB	1:7:A:LEU:HD13	12	10.18
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	19	10.18
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	19	10.18
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	19	10.18
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	19	10.18
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	19	10.18
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	19	10.18
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	14	10.18
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	14	10.18
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	14	10.18
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	12	10.18
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	12	10.18
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	12	10.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	12	10.18
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	12	10.18
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	12	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	4	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	4	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	4	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	4	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	6	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	6	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	6	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	6	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	16	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	16	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	16	10.18
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	16	10.18
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	3	10.18
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	3	10.18
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	3	10.18
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD21	12	10.17
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD22	12	10.17
(1,7735)	1:101:A:SER:HB2	1:7:A:LEU:HD23	12	10.17
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD21	12	10.17
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD22	12	10.17
(1,7735)	1:101:A:SER:HB3	1:7:A:LEU:HD23	12	10.17
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	7	10.17
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	7	10.17
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	7	10.17
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	7	10.17
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	20	10.17
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	20	10.17
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	20	10.17
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	20	10.17
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	4	10.17
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	12	10.17
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	12	10.17
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	12	10.17
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	1	10.16
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	1	10.16
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	1	10.16
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	12	10.16
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	12	10.16
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	12	10.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	11	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	11	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	11	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	11	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	11	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	11	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	14	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	14	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	14	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	14	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	14	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	14	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	15	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	15	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	15	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	15	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	15	10.15
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	15	10.15
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	18	10.15
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	18	10.15
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	18	10.15
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	2	10.15
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	2	10.15
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	2	10.15
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	2	10.15
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	2	10.15
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	2	10.15
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	2	10.15
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	2	10.15
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	2	10.15
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	17	10.15
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	17	10.15
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	17	10.15
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	17	10.15
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	13	10.14
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	13	10.14
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	13	10.14
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	13	10.14
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	13	10.14
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	13	10.14
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	1	10.14
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	6	10.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	6	10.14
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	6	10.14
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	4	10.13
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	4	10.13
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	4	10.13
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	3	10.13
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	3	10.13
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	3	10.13
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	3	10.13
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	3	10.13
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	3	10.13
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	4	10.12
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	4	10.12
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	4	10.12
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	4	10.12
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	4	10.12
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	4	10.12
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	11	10.11
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	11	10.11
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	11	10.11
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	11	10.11
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	11	10.11
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	11	10.11
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	11	10.11
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	11	10.11
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	11	10.11
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	1	10.11
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	1	10.11
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	1	10.11
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	14	10.11
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	14	10.11
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	14	10.11
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	10	10.1
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	10	10.1
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	10	10.1
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	10	10.1
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	10	10.1
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	10	10.1
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	20	10.1
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	20	10.1
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	20	10.1
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	16	10.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	16	10.09
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	16	10.09
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	7	10.09
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	7	10.09
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	7	10.09
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	7	10.09
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	7	10.09
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	7	10.09
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	7	10.09
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	7	10.09
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	7	10.09
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	10	10.09
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	10	10.09
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	10	10.09
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	10	10.09
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	10	10.09
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	10	10.09
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	10	10.09
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	10	10.09
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	10	10.09
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	11	10.09
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	11	10.09
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	11	10.09
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	3	10.08
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	3	10.08
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	3	10.08
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	3	10.08
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	3	10.08
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	3	10.08
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	9	10.08
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	9	10.08
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	9	10.08
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	9	10.08
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	9	10.08
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	9	10.08
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	19	10.08
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	19	10.08
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	19	10.08
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	19	10.08
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	19	10.08
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	19	10.08
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	19	10.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	19	10.08
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	19	10.08
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	13	10.08
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	13	10.08
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	13	10.08
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	15	10.07
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	15	10.07
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	15	10.07
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	15	10.07
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	15	10.07
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	15	10.07
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	15	10.07
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	15	10.07
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	15	10.07
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	13	10.07
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	13	10.07
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	13	10.07
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	16	10.07
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	16	10.07
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	16	10.07
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	16	10.07
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	16	10.07
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	16	10.07
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	16	10.07
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	16	10.07
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	16	10.07
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	10	10.07
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	4	10.07
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	4	10.07
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	4	10.07
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	1	10.06
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	1	10.06
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	1	10.06
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	1	10.06
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	1	10.06
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	1	10.06
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	9	10.06
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	9	10.06
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	9	10.06
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	14	10.06
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	14	10.06
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	14	10.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	14	10.06
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	14	10.06
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	14	10.06
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	14	10.06
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	14	10.06
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	14	10.06
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	5	10.06
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	5	10.06
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	5	10.06
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG21	9	10.06
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG22	9	10.06
(1,7465)	1:13:A:LEU:HB2	1:100:A:VAL:HG23	9	10.06
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	5	10.05
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	5	10.05
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	5	10.05
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	1	10.05
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	1	10.05
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	1	10.05
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	1	10.05
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	1	10.05
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	1	10.05
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	1	10.05
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	1	10.05
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	1	10.05
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	8	10.05
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	8	10.05
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	8	10.05
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	18	10.05
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	18	10.05
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	18	10.05
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	7	10.04
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	7	10.04
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	7	10.04
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	8	10.04
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	8	10.04
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	8	10.04
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	8	10.04
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	8	10.04
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	8	10.04
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	12	10.04
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	12	10.04
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	12	10.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	12	10.04
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	12	10.04
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	12	10.04
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	12	10.04
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	12	10.04
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	12	10.04
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	9	10.04
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	9	10.04
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	7	10.04
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	7	10.04
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	7	10.04
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	19	10.04
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	19	10.04
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	19	10.04
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	3	10.03
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	3	10.03
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	3	10.03
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	6	10.03
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	6	10.03
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	6	10.03
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	6	10.03
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	6	10.03
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	6	10.03
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	6	10.03
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	6	10.03
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	6	10.03
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	20	10.02
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	20	10.02
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	20	10.02
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	17	10.02
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	17	10.02
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	17	10.02
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	17	10.02
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	17	10.02
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	17	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	17	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	17	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	17	10.02
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	18	10.02
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	18	10.02
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	18	10.02
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	18	10.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	18	10.02
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	18	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	18	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	18	10.02
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	18	10.02
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	10	10.02
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	10	10.02
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	9	10.02
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	9	10.02
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	9	10.02
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	4	10.01
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	4	10.01
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	4	10.01
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	4	10.01
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	4	10.01
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	4	10.01
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	4	10.01
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	4	10.01
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	4	10.01
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	10	10.01
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	10	10.01
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	10	10.01
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	10	10.01
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	10	10.01
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	10	10.01
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	10	10.01
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	10	10.01
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	10	10.01
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	15	10.01
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	15	10.01
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	15	10.01
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	15	10.01
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	15	10.01
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	15	10.01
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	15	10.01
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	15	10.01
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	15	10.01
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	5	10.01
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	2	10.0
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	2	10.0
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	2	10.0
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	2	10.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	2	10.0
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	2	10.0
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	2	10.0
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	2	10.0
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	2	10.0
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	2	10.0
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	2	10.0
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	2	10.0
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	2	10.0
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	2	10.0
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	2	10.0
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	17	10.0
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	17	10.0
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	17	10.0
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	16	10.0
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	16	10.0
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	16	10.0
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	6	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	6	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	6	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	6	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	6	9.98
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	6	9.98
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	8	9.98
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	8	9.98
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	8	9.98
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	3	9.98
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	3	9.98
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	3	9.98
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	3	9.98
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	17	9.98
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	17	9.98
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	17	9.98
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	6	9.98
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	6	9.98
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	6	9.98
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	6	9.98
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	6	9.98
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	6	9.98
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	3	9.97
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	3	9.97
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	3	9.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	3	9.97
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	3	9.97
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	3	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	3	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	3	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	3	9.97
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	14	9.97
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	14	9.97
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	14	9.97
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	14	9.97
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	14	9.97
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	14	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	14	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	14	9.97
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	14	9.97
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	5	9.97
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	5	9.97
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	5	9.97
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	5	9.97
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	5	9.97
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	5	9.97
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	13	9.97
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	13	9.97
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	13	9.97
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	13	9.97
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	13	9.97
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	13	9.97
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	13	9.97
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	13	9.97
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	13	9.97
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	14	9.97
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	14	9.97
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	14	9.97
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	14	9.97
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	2	9.97
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	2	9.97
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	1	9.96
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	1	9.96
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	1	9.96
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	1	9.96
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	1	9.96
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	1	9.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	1	9.96
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	1	9.96
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	1	9.96
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	19	9.96
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	19	9.96
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	19	9.96
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	19	9.96
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	11	9.96
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	20	9.95
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	20	9.95
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	20	9.95
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	20	9.95
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	20	9.95
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	20	9.95
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	20	9.95
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	20	9.95
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	20	9.95
(1,7650)	1:81:A:SER:HA	1:34:A:GLY:HA2	15	9.95
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	11	9.94
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	11	9.94
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	11	9.94
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	11	9.94
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	11	9.94
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	11	9.94
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	11	9.94
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	11	9.94
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	11	9.94
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG21	6	9.94
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG22	6	9.94
(1,7719)	1:97:A:SER:HB2	1:74:A:THR:HG23	6	9.94
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG21	6	9.94
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG22	6	9.94
(1,7719)	1:97:A:SER:HB3	1:74:A:THR:HG23	6	9.94
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	4	9.94
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	4	9.94
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	4	9.94
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	4	9.94
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	4	9.94
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	4	9.94
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	4	9.94
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	4	9.94
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	4	9.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	5	9.93
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	5	9.93
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	5	9.93
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	5	9.93
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	5	9.93
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	5	9.93
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	5	9.93
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	5	9.93
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	5	9.93
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	20	9.91
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	20	9.91
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	20	9.91
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	20	9.91
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	20	9.91
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	20	9.91
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	3	9.91
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	3	9.91
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	3	9.91
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	3	9.91
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	3	9.91
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	3	9.91
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	3	9.91
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	3	9.91
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	3	9.91
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	9	9.91
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	9	9.91
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	9	9.91
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	9	9.91
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	9	9.91
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	9	9.91
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	9	9.91
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	9	9.91
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	9	9.91
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	11	9.91
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	11	9.91
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	11	9.91
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	11	9.91
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	6	9.9
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	6	9.9
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	6	9.9
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	6	9.9
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	6	9.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	6	9.9
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	6	9.9
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	6	9.9
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	6	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	7	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	7	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	7	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	7	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	7	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	7	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	17	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	17	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	17	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	17	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	17	9.9
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	17	9.9
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	5	9.9
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	5	9.9
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	5	9.9
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	5	9.9
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	5	9.9
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	5	9.9
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	5	9.9
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	5	9.9
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	5	9.9
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG21	6	9.89
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG22	6	9.89
(1,7721)	1:100:A:VAL:H	1:74:A:THR:HG23	6	9.89
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG21	8	9.89
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG22	8	9.89
(1,7704)	1:93:A:ILE:HG21	1:74:A:THR:HG23	8	9.89
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG21	8	9.89
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG22	8	9.89
(1,7704)	1:93:A:ILE:HG22	1:74:A:THR:HG23	8	9.89
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG21	8	9.89
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG22	8	9.89
(1,7704)	1:93:A:ILE:HG23	1:74:A:THR:HG23	8	9.89
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	7	9.87
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	7	9.87
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	7	9.87
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	7	9.87
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	7	9.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	7	9.87
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	7	9.87
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	7	9.87
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	7	9.87
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	18	9.87
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	18	9.87
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	8	9.86
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	8	9.86
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	13	9.85
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	13	9.85
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	13	9.85
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	13	9.85
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	13	9.85
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	13	9.85
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	13	9.85
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	13	9.85
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	13	9.85
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	5	9.85
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	5	9.85
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	5	9.85
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	5	9.85
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	11	9.84
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	11	9.84
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	11	9.84
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	11	9.84
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	11	9.84
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	11	9.84
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	18	9.82
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	18	9.82
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	18	9.82
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	18	9.82
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	18	9.82
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	18	9.82
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	1	9.82
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	1	9.82
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	15	9.82
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	15	9.82
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	14	9.82
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	14	9.82
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	14	9.82
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	14	9.82
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	14	9.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	14	9.82
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	6	9.81
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	6	9.81
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	4	9.8
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	4	9.8
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	13	9.8
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	13	9.8
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	9	9.8
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	9	9.8
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	9	9.8
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	9	9.8
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	9	9.8
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	9	9.8
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	15	9.8
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	15	9.8
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	15	9.8
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	15	9.8
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	15	9.8
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	15	9.8
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	7	9.79
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	7	9.79
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	11	9.79
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	17	9.78
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	17	9.78
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	15	9.78
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	12	9.77
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	12	9.77
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	19	9.76
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	19	9.76
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	19	9.76
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	19	9.76
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	19	9.76
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	19	9.76
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	19	9.76
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	19	9.76
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	19	9.76
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	20	9.76
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	20	9.76
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	16	9.75
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	16	9.75
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	16	9.75
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	16	9.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	16	9.75
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	16	9.75
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	16	9.75
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	16	9.75
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	12	9.74
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	12	9.74
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	12	9.74
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	12	9.74
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	12	9.74
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	12	9.74
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	12	9.74
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	12	9.74
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	12	9.74
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	19	9.73
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	19	9.73
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	19	9.73
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	19	9.73
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	19	9.73
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	19	9.73
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	3	9.71
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	3	9.71
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	3	9.71
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	3	9.71
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	3	9.71
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	3	9.71
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	3	9.71
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	3	9.71
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	3	9.71
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	3	9.71
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	3	9.71
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	3	9.71
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	8	9.68
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	8	9.68
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	8	9.68
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	8	9.68
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	8	9.68
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	8	9.68
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	4	9.68
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	4	9.68
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	4	9.68
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	4	9.68
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	4	9.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	4	9.68
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	7	9.67
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	7	9.67
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	7	9.67
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	7	9.67
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	7	9.67
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	7	9.67
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	1	9.67
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	1	9.67
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	1	9.67
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	1	9.67
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	1	9.67
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	1	9.67
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	7	9.67
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	7	9.67
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	7	9.67
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	7	9.67
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	7	9.67
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	7	9.67
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	14	9.66
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	14	9.66
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	14	9.66
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	14	9.66
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	14	9.66
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	14	9.66
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	10	9.66
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	10	9.66
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	10	9.66
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	3	9.66
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	3	9.66
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	3	9.66
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	3	9.66
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	3	9.66
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	3	9.66
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	14	9.66
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	14	9.66
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	14	9.66
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	14	9.66
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	14	9.66
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	14	9.66
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	12	9.65
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	12	9.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	12	9.65
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	12	9.65
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	12	9.65
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	12	9.65
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	15	9.64
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	15	9.64
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	15	9.64
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	15	9.64
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	15	9.64
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	15	9.64
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	10	9.64
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	10	9.64
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	10	9.64
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	10	9.64
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	10	9.64
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	10	9.64
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	15	9.64
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	15	9.64
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	15	9.64
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	15	9.64
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	15	9.64
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	15	9.64
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD11	18	9.63
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD12	18	9.63
(1,7747)	1:109:A:ALA:HB1	1:7:A:LEU:HD13	18	9.63
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD11	18	9.63
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD12	18	9.63
(1,7747)	1:109:A:ALA:HB2	1:7:A:LEU:HD13	18	9.63
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD11	18	9.63
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD12	18	9.63
(1,7747)	1:109:A:ALA:HB3	1:7:A:LEU:HD13	18	9.63
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	2	9.62
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	2	9.62
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	2	9.62
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	2	9.62
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	2	9.62
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	2	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	6	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	6	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	6	9.62
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	6	9.62
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	6	9.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	6	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	8	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	8	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	8	9.62
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	8	9.62
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	8	9.62
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	8	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	18	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	18	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	18	9.62
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	18	9.62
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	18	9.62
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	18	9.62
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	2	9.62
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	2	9.62
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	2	9.62
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	2	9.62
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	2	9.62
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	2	9.62
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	4	9.61
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	4	9.61
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	4	9.61
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	4	9.61
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	4	9.61
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	4	9.61
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	15	9.61
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	15	9.61
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	15	9.61
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	5	9.6
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	5	9.6
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	5	9.6
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	5	9.6
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	5	9.6
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	5	9.6
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	1	9.59
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	1	9.59
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	1	9.59
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	1	9.59
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	1	9.59
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	1	9.59
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	4	9.59
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	4	9.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	4	9.59
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	4	9.59
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	4	9.59
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	4	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	9	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	9	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	9	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	9	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	9	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	9	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD11	13	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD12	13	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD13	13	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD21	13	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD22	13	9.59
(1,7728)	1:101:A:SER:H	1:13:A:LEU:HD23	13	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	1	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	1	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	1	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	1	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	1	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	1	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	7	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	7	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	7	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	7	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	7	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	7	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	13	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	13	9.59
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	13	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	13	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	13	9.59
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	13	9.59
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	2	9.59
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	2	9.59
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	2	9.59
(1,7634)	1:79:A:LEU:HD11	1:88:A:VAL:HB	12	9.59
(1,7634)	1:79:A:LEU:HD12	1:88:A:VAL:HB	12	9.59
(1,7634)	1:79:A:LEU:HD13	1:88:A:VAL:HB	12	9.59
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	1	9.59
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	1	9.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	1	9.59
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	1	9.59
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	1	9.59
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	1	9.59
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	4	9.59
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	4	9.59
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	4	9.59
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	4	9.59
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	4	9.59
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	4	9.59
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	10	9.58
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	10	9.58
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	10	9.58
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	10	9.58
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	10	9.58
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	10	9.58
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	2	9.58
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	2	9.58
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	2	9.58
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	2	9.58
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	2	9.58
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	2	9.58
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	10	9.58
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	10	9.58
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	10	9.58
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	10	9.58
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	10	9.58
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	10	9.58
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	17	9.57
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	17	9.57
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	17	9.57
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	17	9.57
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	17	9.57
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	17	9.57
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	20	9.57
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	20	9.57
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	20	9.57
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	20	9.57
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	20	9.57
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	20	9.57
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	7	9.57
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	7	9.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	7	9.57
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	7	9.57
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	7	9.57
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	7	9.57
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	5	9.56
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	5	9.56
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	5	9.56
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	5	9.56
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	5	9.56
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	5	9.56
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	19	9.56
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	19	9.56
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	19	9.56
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	19	9.56
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	19	9.56
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	19	9.56
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	19	9.56
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	19	9.56
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	19	9.56
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	19	9.56
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	19	9.56
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	19	9.56
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	19	9.56
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	19	9.56
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	19	9.56
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	19	9.56
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	19	9.56
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	19	9.56
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	5	9.56
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	5	9.56
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	5	9.56
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	5	9.56
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	5	9.56
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	5	9.56
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	16	9.54
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	16	9.54
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	16	9.54
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	16	9.54
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	16	9.54
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	16	9.54
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	2	9.51
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	2	9.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	2	9.51
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	2	9.51
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	2	9.51
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	2	9.51
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	2	9.51
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	2	9.51
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	2	9.51
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	3	9.51
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	3	9.51
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	2	9.51
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	2	9.51
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	2	9.51
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	2	9.51
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	2	9.51
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	2	9.51
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	2	9.51
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	2	9.51
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	2	9.51
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	18	9.51
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	18	9.51
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	18	9.51
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	18	9.51
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	18	9.51
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	18	9.51
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	12	9.5
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	12	9.5
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	12	9.5
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	12	9.5
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	12	9.5
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	12	9.5
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	14	9.5
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	14	9.5
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	14	9.5
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	14	9.5
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	14	9.5
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	14	9.5
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	14	9.5
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	14	9.5
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	14	9.5
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	14	9.5
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	14	9.5
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	14	9.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	14	9.5
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	14	9.5
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	14	9.5
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	14	9.5
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	14	9.5
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	14	9.5
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	14	9.5
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	14	9.5
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	12	9.5
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	12	9.5
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	12	9.5
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	12	9.5
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	12	9.5
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	12	9.5
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	19	9.49
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	19	9.49
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	6	9.48
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	6	9.48
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	6	9.48
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	6	9.48
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	6	9.48
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	6	9.48
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	6	9.48
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	6	9.48
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	6	9.48
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	6	9.48
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	6	9.48
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	6	9.48
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	6	9.48
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	6	9.48
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	6	9.48
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	6	9.48
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	6	9.48
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	6	9.48
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	20	9.48
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	20	9.48
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	20	9.48
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	20	9.48
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	20	9.48
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	20	9.48
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	8	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	8	9.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	8	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	8	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	8	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	8	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	8	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	8	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	8	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	9	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	9	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	9	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	9	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	9	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	9	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	9	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	9	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	9	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	13	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	13	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	13	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	13	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	13	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	13	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	13	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	13	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	13	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	16	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	16	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	16	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	16	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	16	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	16	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	16	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	16	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	16	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	17	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	17	9.45
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	17	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	17	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	17	9.45
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	17	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	17	9.45
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	17	9.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	17	9.45
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	10	9.45
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	10	9.45
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	10	9.45
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	10	9.45
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	10	9.45
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	10	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	8	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	8	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	8	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	8	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	8	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	8	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	8	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	8	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	8	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	9	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	9	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	9	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	9	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	9	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	9	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	9	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	9	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	9	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	13	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	13	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	13	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	13	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	13	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	13	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	13	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	13	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	13	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	16	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	16	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	16	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	16	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	16	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	16	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	16	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	16	9.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	16	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	17	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	17	9.45
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	17	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	17	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	17	9.45
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	17	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	17	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	17	9.45
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	17	9.45
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	11	9.44
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	11	9.44
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	11	9.43
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	11	9.43
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	11	9.43
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	11	9.43
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	11	9.43
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	11	9.43
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	13	9.43
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	13	9.43
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	13	9.43
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	13	9.43
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	13	9.43
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	13	9.43
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	19	9.43
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	19	9.43
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	19	9.43
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	19	9.43
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	19	9.43
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	19	9.43
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	19	9.43
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	19	9.43
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	19	9.43
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	17	9.43
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	17	9.43
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	17	9.43
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	17	9.43
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	17	9.43
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	17	9.43
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	11	9.43
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	11	9.43
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	11	9.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	11	9.43
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	11	9.43
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	11	9.43
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	13	9.43
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	13	9.43
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	13	9.43
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	13	9.43
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	13	9.43
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	13	9.43
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	18	9.42
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	18	9.42
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	18	9.42
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	18	9.42
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	18	9.42
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	18	9.42
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	5	9.42
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	5	9.42
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	5	9.42
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	5	9.42
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	5	9.42
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	5	9.42
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	5	9.42
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	5	9.42
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	5	9.42
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	5	9.42
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	5	9.42
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	5	9.42
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	5	9.42
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	5	9.42
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	5	9.42
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	5	9.42
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	5	9.42
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	5	9.42
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	2	9.42
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	2	9.42
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	2	9.42
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	2	9.42
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	2	9.42
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	2	9.42
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	2	9.42
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	2	9.42
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	2	9.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	18	9.42
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	18	9.42
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	18	9.42
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	18	9.42
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	18	9.42
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	18	9.42
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	6	9.41
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	6	9.41
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	6	9.41
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	6	9.41
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	6	9.41
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	6	9.41
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB2	19	9.41
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB2	19	9.41
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB2	19	9.41
(1,7745)	1:109:A:ALA:HB1	1:3:A:PHE:HB3	19	9.41
(1,7745)	1:109:A:ALA:HB2	1:3:A:PHE:HB3	19	9.41
(1,7745)	1:109:A:ALA:HB3	1:3:A:PHE:HB3	19	9.41
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	6	9.41
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	6	9.41
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	6	9.41
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	6	9.41
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	6	9.41
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	6	9.41
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB1	19	9.41
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB2	19	9.41
(1,7436)	1:3:A:PHE:HB2	1:109:A:ALA:HB3	19	9.41
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB1	19	9.41
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB2	19	9.41
(1,7436)	1:3:A:PHE:HB3	1:109:A:ALA:HB3	19	9.41
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	7	9.4
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	7	9.4
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	7	9.4
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	7	9.4
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	7	9.4
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	7	9.4
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	7	9.4
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	7	9.4
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	7	9.4
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	20	9.4
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	20	9.4
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	20	9.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	20	9.4
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	20	9.4
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	20	9.4
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	20	9.4
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	20	9.4
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	20	9.4
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	7	9.4
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	7	9.4
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	7	9.4
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	7	9.4
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	7	9.4
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	7	9.4
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	7	9.4
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	7	9.4
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	7	9.4
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	20	9.4
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	20	9.4
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	20	9.4
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	20	9.4
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	20	9.4
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	20	9.4
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	20	9.4
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	20	9.4
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	20	9.4
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	7	9.4
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	7	9.4
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	7	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	7	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	7	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	7	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	7	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	7	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	7	9.4
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	14	9.4
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	14	9.4
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	14	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	14	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	14	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	14	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	14	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	14	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	14	9.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	16	9.4
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	16	9.4
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	16	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	16	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	16	9.4
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	16	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	16	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	16	9.4
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	16	9.4
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	3	9.39
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	3	9.39
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	3	9.39
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	3	9.39
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	3	9.39
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	3	9.39
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	3	9.39
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	3	9.39
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	3	9.39
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	3	9.39
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	3	9.39
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	3	9.39
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	3	9.39
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	3	9.39
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	3	9.39
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	14	9.39
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	14	9.39
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	14	9.39
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	14	9.39
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	14	9.39
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	14	9.39
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	3	9.39
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	3	9.39
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	3	9.39
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	3	9.39
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	3	9.39
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	3	9.39
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	3	9.39
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	3	9.39
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	3	9.39
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	17	9.39
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	17	9.39
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	17	9.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	17	9.39
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	17	9.39
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	17	9.39
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	17	9.39
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	17	9.39
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	17	9.39
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	16	9.39
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	16	9.39
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	16	9.39
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	16	9.39
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	16	9.39
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	16	9.39
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	18	9.38
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	18	9.38
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	18	9.38
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	18	9.38
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	18	9.38
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	18	9.38
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	18	9.38
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	18	9.38
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	18	9.38
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	18	9.38
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	18	9.38
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	18	9.38
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	18	9.38
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	18	9.38
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	18	9.38
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	18	9.38
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	18	9.38
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	18	9.38
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	1	9.37
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	1	9.37
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	1	9.37
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	1	9.37
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	1	9.37
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	1	9.37
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	1	9.37
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	1	9.37
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	1	9.37
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	2	9.37
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	2	9.37
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	2	9.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	2	9.37
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	2	9.37
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	2	9.37
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	19	9.37
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	19	9.37
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	19	9.37
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	19	9.37
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	19	9.37
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	19	9.37
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	1	9.37
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	1	9.37
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	1	9.37
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	1	9.37
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	1	9.37
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	1	9.37
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	1	9.37
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	1	9.37
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	1	9.37
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	6	9.37
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	6	9.37
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	6	9.37
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	6	9.37
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	6	9.37
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	6	9.37
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	6	9.37
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	6	9.37
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	6	9.37
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	12	9.36
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	12	9.36
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	12	9.36
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	12	9.36
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	12	9.36
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	12	9.36
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	12	9.36
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	12	9.36
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	12	9.36
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	12	9.36
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	12	9.36
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	12	9.36
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	12	9.36
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	12	9.36
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	12	9.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	12	9.36
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	12	9.36
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	12	9.36
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	1	9.36
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	1	9.36
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	1	9.36
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	1	9.36
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	1	9.36
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	1	9.36
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	1	9.36
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	1	9.36
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	1	9.36
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	13	9.36
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	13	9.36
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	13	9.36
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	13	9.36
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	13	9.36
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	13	9.36
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	8	9.35
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	8	9.35
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	8	9.35
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	8	9.35
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	8	9.35
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	8	9.35
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	8	9.35
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	8	9.35
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	8	9.35
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	10	9.35
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	10	9.35
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	10	9.35
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	10	9.35
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	10	9.35
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	10	9.35
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	10	9.35
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	10	9.35
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	10	9.35
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	11	9.34
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	11	9.34
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	11	9.34
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	11	9.34
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	11	9.34
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	11	9.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	13	9.34
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	13	9.34
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	13	9.34
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	13	9.34
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	13	9.34
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	13	9.34
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	13	9.34
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	13	9.34
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	13	9.34
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	12	9.34
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	12	9.34
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	12	9.34
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	12	9.34
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	12	9.34
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	12	9.34
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	10	9.33
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	10	9.33
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	10	9.33
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	10	9.33
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	10	9.33
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	10	9.33
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	10	9.33
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	10	9.33
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	10	9.33
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB2	5	9.33
(1,7672)	1:88:A:VAL:HA	1:82:A:SER:HB3	5	9.33
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	18	9.33
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	18	9.33
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	18	9.33
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	10	9.33
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	10	9.33
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	10	9.33
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	10	9.33
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	10	9.33
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	10	9.33
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	10	9.33
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	10	9.33
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	10	9.33
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	12	9.33
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	12	9.33
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	12	9.33
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	12	9.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	12	9.33
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	12	9.33
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	12	9.33
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	12	9.33
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	12	9.33
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	18	9.33
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	18	9.33
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	18	9.33
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	18	9.33
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	18	9.33
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	18	9.33
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	18	9.33
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	18	9.33
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	18	9.33
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	8	9.33
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	8	9.33
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	8	9.33
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	8	9.33
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	8	9.33
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	8	9.33
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	4	9.31
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	4	9.31
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	4	9.31
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	4	9.31
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	4	9.31
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	4	9.31
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	4	9.31
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	4	9.31
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	4	9.31
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	1	9.31
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	1	9.31
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	1	9.31
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	4	9.31
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	4	9.31
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	4	9.31
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	4	9.31
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	4	9.31
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	4	9.31
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	4	9.31
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	4	9.31
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	4	9.31
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB2	9	9.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7468)	1:13:A:LEU:HD21	1:101:A:SER:HB3	9	9.31
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB2	9	9.31
(1,7468)	1:13:A:LEU:HD22	1:101:A:SER:HB3	9	9.31
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB2	9	9.31
(1,7468)	1:13:A:LEU:HD23	1:101:A:SER:HB3	9	9.31
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	3	9.3
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	3	9.3
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	3	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	3	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	3	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	3	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	3	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	3	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	3	9.3
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	4	9.3
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	4	9.3
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	4	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	4	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	4	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	4	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	4	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	4	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	4	9.3
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	20	9.3
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	20	9.3
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	20	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	20	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	20	9.3
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	20	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	20	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	20	9.3
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	20	9.3
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	19	9.29
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	19	9.29
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	19	9.29
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	19	9.29
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	19	9.29
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	19	9.29
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	19	9.29
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	19	9.29
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	19	9.29
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	5	9.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	5	9.29
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	5	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	5	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	5	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	5	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	5	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	5	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	5	9.29
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	9	9.29
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	9	9.29
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	9	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	9	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	9	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	9	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	9	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	9	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	9	9.29
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	11	9.29
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	11	9.29
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	11	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	11	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	11	9.29
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	11	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	11	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	11	9.29
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	11	9.29
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	6	9.28
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	6	9.28
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	6	9.28
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	6	9.28
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	6	9.28
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	6	9.28
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	6	9.28
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	6	9.28
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	6	9.28
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	6	9.28
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	6	9.28
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	6	9.28
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	6	9.28
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	6	9.28
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	6	9.28
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	6	9.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	6	9.28
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	6	9.28
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	11	9.27
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	11	9.27
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	11	9.27
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	11	9.27
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	11	9.27
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	11	9.27
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	11	9.27
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	11	9.27
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	11	9.27
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	5	9.27
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	5	9.27
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	5	9.27
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	5	9.27
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	5	9.27
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	5	9.27
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	3	9.27
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	3	9.27
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	3	9.27
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	2	9.27
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	2	9.27
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	2	9.27
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	2	9.27
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	2	9.27
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	2	9.27
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	2	9.27
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	2	9.27
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	2	9.27
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	11	9.27
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	11	9.27
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	11	9.27
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	11	9.27
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	11	9.27
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	11	9.27
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	11	9.27
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	11	9.27
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	11	9.27
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD11	15	9.27
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD12	15	9.27
(1,7494)	1:22:A:ILE:HG21	1:93:A:ILE:HD13	15	9.27
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD11	15	9.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD12	15	9.27
(1,7494)	1:22:A:ILE:HG22	1:93:A:ILE:HD13	15	9.27
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD11	15	9.27
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD12	15	9.27
(1,7494)	1:22:A:ILE:HG23	1:93:A:ILE:HD13	15	9.27
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	10	9.26
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	10	9.26
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	10	9.26
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	10	9.26
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	10	9.26
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	10	9.26
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	10	9.26
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	10	9.26
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	10	9.26
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	14	9.25
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	14	9.25
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	14	9.25
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	14	9.25
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	14	9.25
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	14	9.25
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	14	9.25
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	14	9.25
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	14	9.25
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	16	9.25
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	16	9.25
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	16	9.25
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	16	9.25
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	16	9.25
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	16	9.25
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	16	9.25
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	16	9.25
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	16	9.25
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	15	9.24
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	15	9.24
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	15	9.24
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	15	9.24
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	15	9.24
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	15	9.24
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	6	9.24
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	6	9.24
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	6	9.24
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	6	9.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	6	9.24
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	6	9.24
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	6	9.24
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	6	9.24
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	6	9.24
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	12	9.24
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	12	9.24
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	12	9.24
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	12	9.24
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	12	9.24
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	12	9.24
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	12	9.24
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	12	9.24
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	12	9.24
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	19	9.23
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	19	9.23
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	19	9.23
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	19	9.23
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	19	9.23
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	19	9.23
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	19	9.23
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	19	9.23
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	19	9.23
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG11	12	9.23
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG12	12	9.23
(1,7655)	1:82:A:SER:HB2	1:88:A:VAL:HG13	12	9.23
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG11	12	9.23
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG12	12	9.23
(1,7655)	1:82:A:SER:HB3	1:88:A:VAL:HG13	12	9.23
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	1	9.23
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	1	9.23
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	1	9.23
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	1	9.23
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	1	9.23
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	1	9.23
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	1	9.23
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	1	9.23
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	1	9.23
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	7	9.23
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	7	9.23
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	7	9.23
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	7	9.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	7	9.23
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	7	9.23
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	7	9.23
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	7	9.23
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	7	9.23
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	2	9.22
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	2	9.22
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	2	9.22
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	2	9.22
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	2	9.22
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	2	9.22
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	2	9.22
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	2	9.22
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	2	9.22
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	14	9.22
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	14	9.22
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	14	9.22
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	14	9.22
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	14	9.22
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	14	9.22
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	14	9.22
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	14	9.22
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	14	9.22
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	14	9.22
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	14	9.22
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	14	9.22
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	14	9.22
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	14	9.22
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	14	9.22
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	14	9.22
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	14	9.22
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	14	9.22
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	7	9.2
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	7	9.2
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	7	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	7	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	7	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	7	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	7	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	7	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	7	9.2
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	14	9.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	14	9.2
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	14	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	14	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	14	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	14	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	14	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	14	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	14	9.2
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	16	9.2
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	16	9.2
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	16	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	16	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	16	9.2
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	16	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	16	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	16	9.2
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	16	9.2
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	4	9.2
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	4	9.2
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	4	9.2
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	19	9.2
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	19	9.2
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	19	9.2
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	19	9.2
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	19	9.2
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	19	9.2
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	19	9.2
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	19	9.2
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	19	9.2
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	19	9.2
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	19	9.2
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	19	9.2
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	19	9.2
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	19	9.2
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	19	9.2
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	19	9.2
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	19	9.2
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	19	9.2
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	17	9.19
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	17	9.19
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	17	9.19
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	17	9.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	17	9.19
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	17	9.19
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	17	9.19
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	17	9.19
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	17	9.19
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	8	9.19
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	8	9.19
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	8	9.19
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	13	9.19
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	13	9.19
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	13	9.19
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	13	9.19
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	13	9.19
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	13	9.19
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	13	9.19
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	13	9.19
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	13	9.19
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	13	9.19
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	13	9.19
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	13	9.19
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	13	9.19
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	13	9.19
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	13	9.19
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	13	9.19
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	13	9.19
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	13	9.19
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB1	15	9.18
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB2	15	9.18
(1,7693)	1:93:A:ILE:HD11	1:26:A:ALA:HB3	15	9.18
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB1	15	9.18
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB2	15	9.18
(1,7693)	1:93:A:ILE:HD12	1:26:A:ALA:HB3	15	9.18
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB1	15	9.18
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB2	15	9.18
(1,7693)	1:93:A:ILE:HD13	1:26:A:ALA:HB3	15	9.18
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	6	9.18
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	6	9.18
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	6	9.18
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	14	9.18
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	14	9.18
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	14	9.18
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	18	9.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	18	9.18
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	18	9.18
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	18	9.18
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	18	9.18
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	18	9.18
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	18	9.18
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	18	9.18
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	18	9.18
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD11	15	9.18
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD12	15	9.18
(1,7519)	1:26:A:ALA:HB1	1:93:A:ILE:HD13	15	9.18
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD11	15	9.18
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD12	15	9.18
(1,7519)	1:26:A:ALA:HB2	1:93:A:ILE:HD13	15	9.18
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD11	15	9.18
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD12	15	9.18
(1,7519)	1:26:A:ALA:HB3	1:93:A:ILE:HD13	15	9.18
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	20	9.18
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	20	9.18
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	20	9.18
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	20	9.18
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	20	9.18
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	20	9.18
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	20	9.18
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	20	9.18
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	20	9.18
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	20	9.18
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	20	9.18
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	20	9.18
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	20	9.18
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	20	9.18
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	20	9.18
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	20	9.18
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	20	9.18
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	20	9.18
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	6	9.17
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	6	9.17
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	6	9.17
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	6	9.17
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	6	9.17
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	6	9.17
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	6	9.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	6	9.17
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	6	9.17
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	11	9.17
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	11	9.17
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	11	9.17
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	13	9.17
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	13	9.17
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	13	9.17
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	13	9.17
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	13	9.17
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	13	9.17
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	13	9.17
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	13	9.17
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	13	9.17
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	17	9.17
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	17	9.17
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	17	9.17
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	17	9.17
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	17	9.17
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	17	9.17
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	17	9.17
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	17	9.17
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	17	9.17
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	1	9.16
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	1	9.16
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	1	9.16
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	1	9.16
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	1	9.16
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	1	9.16
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	1	9.16
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	1	9.16
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	1	9.16
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	13	9.16
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	13	9.16
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	13	9.16
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	15	9.16
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	15	9.16
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	15	9.16
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	15	9.16
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	15	9.16
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	15	9.16
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	15	9.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	15	9.16
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	15	9.16
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	5	9.16
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	5	9.16
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	5	9.16
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	5	9.16
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	5	9.16
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	5	9.16
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	5	9.16
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	5	9.16
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	5	9.16
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	5	9.16
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	5	9.16
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	5	9.16
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	5	9.16
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	5	9.16
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	5	9.16
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	5	9.16
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	5	9.16
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	5	9.16
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	8	9.15
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	8	9.15
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	8	9.15
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	8	9.15
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	8	9.15
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	8	9.15
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	8	9.15
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	8	9.15
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	8	9.15
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	10	9.15
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	10	9.15
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	10	9.15
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	10	9.15
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	10	9.15
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	10	9.15
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	10	9.15
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	10	9.15
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	10	9.15
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	15	9.15
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	15	9.15
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	15	9.15
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	5	9.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	5	9.15
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	5	9.15
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	5	9.15
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	5	9.15
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	5	9.15
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	5	9.15
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	5	9.15
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	5	9.15
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	8	9.15
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	8	9.15
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	8	9.15
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	8	9.15
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	8	9.15
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	8	9.15
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	8	9.15
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	8	9.15
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	8	9.15
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	8	9.15
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	8	9.15
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	8	9.15
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	8	9.15
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	8	9.15
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	8	9.15
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	8	9.15
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	8	9.15
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	8	9.15
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	13	9.14
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	13	9.14
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	13	9.14
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	13	9.14
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	13	9.14
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	13	9.14
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	13	9.14
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	13	9.14
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	13	9.14
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	7	9.14
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	7	9.14
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	7	9.14
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	20	9.14
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	20	9.14
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	20	9.14
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	10	9.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	10	9.14
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	10	9.14
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	10	9.14
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	10	9.14
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	10	9.14
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	10	9.14
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	10	9.14
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	10	9.14
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	10	9.14
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	10	9.14
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	10	9.14
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	10	9.14
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	10	9.14
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	10	9.14
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	10	9.14
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	10	9.14
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	10	9.14
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	12	9.13
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	12	9.13
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	12	9.13
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	12	9.13
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	12	9.13
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	12	9.13
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	12	9.13
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	12	9.13
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	12	9.13
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	18	9.13
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	18	9.13
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	18	9.13
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	18	9.13
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	18	9.13
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	18	9.13
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	18	9.13
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	18	9.13
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	18	9.13
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	19	9.13
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	19	9.13
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	19	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	4	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	4	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	4	9.13
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	4	9.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	4	9.13
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	4	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	4	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	4	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	4	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	9	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	9	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	9	9.13
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	9	9.13
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	9	9.13
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	9	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	9	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	9	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	9	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	20	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	20	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	20	9.13
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	20	9.13
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	20	9.13
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	20	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	20	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	20	9.13
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	20	9.13
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	11	9.12
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	11	9.12
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	11	9.12
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	11	9.12
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	11	9.12
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	11	9.12
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	11	9.12
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	11	9.12
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	11	9.12
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	7	9.12
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	7	9.12
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	7	9.12
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	7	9.12
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	7	9.12
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	7	9.12
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	7	9.12
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	7	9.12
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	7	9.12
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	7	9.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	7	9.12
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	7	9.12
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	7	9.12
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	7	9.12
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	7	9.12
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	7	9.12
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	7	9.12
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	7	9.12
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	8	9.11
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	8	9.11
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	8	9.11
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	8	9.11
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	8	9.11
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	8	9.11
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	8	9.11
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	8	9.11
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	8	9.11
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	3	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	3	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	3	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	3	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	3	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	3	9.1
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	3	9.1
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	3	9.1
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	3	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	4	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	4	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	4	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	4	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	4	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	4	9.1
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	4	9.1
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	4	9.1
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	4	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	20	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	20	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	20	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	20	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	20	9.1
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	20	9.1
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	20	9.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	20	9.1
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	20	9.1
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	16	9.1
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	16	9.1
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	16	9.1
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	17	9.1
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	17	9.1
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	17	9.1
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD11	3	9.1
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD12	3	9.1
(1,7590)	1:74:A:THR:HG21	1:93:A:ILE:HD13	3	9.1
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD11	3	9.1
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD12	3	9.1
(1,7590)	1:74:A:THR:HG22	1:93:A:ILE:HD13	3	9.1
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD11	3	9.1
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD12	3	9.1
(1,7590)	1:74:A:THR:HG23	1:93:A:ILE:HD13	3	9.1
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	9	9.1
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	9	9.1
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	9	9.1
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	9	9.1
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	9	9.1
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	9	9.1
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	9	9.1
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	9	9.1
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	9	9.1
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	9	9.1
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	9	9.1
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	9	9.1
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	9	9.1
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	9	9.1
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	9	9.1
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	9	9.1
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	9	9.1
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	9	9.1
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	5	9.09
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	5	9.09
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	5	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	5	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	5	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	5	9.09
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	5	9.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	5	9.09
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	5	9.09
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	9	9.09
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	9	9.09
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	9	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	9	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	9	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	9	9.09
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	9	9.09
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	9	9.09
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	9	9.09
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	11	9.09
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	11	9.09
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	11	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	11	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	11	9.09
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	11	9.09
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	11	9.09
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	11	9.09
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	11	9.09
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	10	9.09
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	10	9.09
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	10	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	3	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	3	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	3	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	3	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	3	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	3	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	3	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	3	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	3	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	3	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	3	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	3	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	3	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	3	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	3	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	3	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	3	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	3	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	16	9.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	16	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	16	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	16	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	16	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	16	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	16	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	16	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	16	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	16	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	16	9.09
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	16	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	16	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	16	9.09
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	16	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	16	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	16	9.09
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	16	9.09
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	12	9.08
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	12	9.08
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	12	9.08
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	17	9.08
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	17	9.08
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	17	9.08
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	17	9.08
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	17	9.08
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	17	9.08
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	17	9.08
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	17	9.08
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	17	9.08
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	17	9.08
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	17	9.08
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	17	9.08
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	17	9.08
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	17	9.08
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	17	9.08
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	17	9.08
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	17	9.08
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	17	9.08
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG21	15	9.07
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG22	15	9.07
(1,7689)	1:93:A:ILE:HD11	1:22:A:ILE:HG23	15	9.07
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG21	15	9.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG22	15	9.07
(1,7689)	1:93:A:ILE:HD12	1:22:A:ILE:HG23	15	9.07
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG21	15	9.07
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG22	15	9.07
(1,7689)	1:93:A:ILE:HD13	1:22:A:ILE:HG23	15	9.07
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	9	9.06
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	9	9.06
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	9	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	1	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	1	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	1	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	1	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	1	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	1	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	1	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	1	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	1	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	1	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	1	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	1	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	1	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	1	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	1	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	1	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	1	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	1	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	2	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	2	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	2	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	2	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	2	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	2	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	2	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	2	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	2	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	2	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	2	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	2	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	2	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	2	9.06
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	2	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	2	9.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	2	9.06
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	2	9.06
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	12	9.05
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	12	9.05
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	12	9.05
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	12	9.05
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	12	9.05
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	12	9.05
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	12	9.05
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	12	9.05
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	12	9.05
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	12	9.05
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	12	9.05
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	12	9.05
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	12	9.05
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	12	9.05
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	12	9.05
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	12	9.05
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	12	9.05
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	12	9.05
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	18	9.04
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	18	9.04
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	18	9.04
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	18	9.04
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	18	9.04
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	18	9.04
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	18	9.04
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	18	9.04
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	18	9.04
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	18	9.04
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	18	9.04
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	18	9.04
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	18	9.04
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	18	9.04
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	18	9.04
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	18	9.04
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	18	9.04
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	18	9.04
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	5	9.03
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	5	9.03
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	5	9.03
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG21	2	9.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG22	2	9.01
(1,7632)	1:79:A:LEU:HA	1:88:A:VAL:HG23	2	9.01
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	4	8.99
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	4	8.99
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	4	8.99
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	4	8.99
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	4	8.99
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	4	8.99
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	4	8.99
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	4	8.99
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	4	8.99
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	4	8.99
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	4	8.99
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	4	8.99
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	4	8.99
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	4	8.99
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	4	8.99
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	4	8.99
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	4	8.99
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	4	8.99
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	11	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	11	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	11	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	11	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	11	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	11	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	11	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	11	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	11	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	11	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	11	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	11	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	11	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	11	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	11	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	11	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	11	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	11	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG11	15	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG12	15	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG13	15	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG11	15	8.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG12	15	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG13	15	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG11	15	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG12	15	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG13	15	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG21	15	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG22	15	8.9
(1,7518)	1:26:A:ALA:HB1	1:88:A:VAL:HG23	15	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG21	15	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG22	15	8.9
(1,7518)	1:26:A:ALA:HB2	1:88:A:VAL:HG23	15	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG21	15	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG22	15	8.9
(1,7518)	1:26:A:ALA:HB3	1:88:A:VAL:HG23	15	8.9
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	2	8.89
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	2	8.89
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	2	8.89
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	2	8.89
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	1	8.89
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	1	8.89
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	1	8.89
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	1	8.89
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	1	8.89
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	1	8.89
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	1	8.89
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	1	8.89
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	1	8.89
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	18	8.88
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	18	8.88
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	18	8.88
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	18	8.88
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	18	8.88
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	18	8.88
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	18	8.88
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	18	8.88
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	18	8.88
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	10	8.87
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	10	8.87
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	10	8.87
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	10	8.87
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	16	8.87
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	16	8.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	16	8.87
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	16	8.87
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	16	8.87
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	16	8.87
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	16	8.87
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	16	8.87
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	16	8.87
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	10	8.85
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	10	8.85
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	10	8.85
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	10	8.85
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	10	8.85
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	10	8.85
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	10	8.85
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	10	8.85
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	10	8.85
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	4	8.84
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	4	8.84
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	4	8.84
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	4	8.84
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	4	8.84
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	4	8.84
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	4	8.84
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	4	8.84
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	4	8.84
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	8	8.8
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	8	8.8
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	8	8.8
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	8	8.8
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	8	8.8
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	8	8.8
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	8	8.8
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	8	8.8
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	8	8.8
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	18	8.79
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	4	8.78
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	5	8.78
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	5	8.78
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	5	8.78
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	17	8.78
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	17	8.78
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	17	8.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	20	8.78
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	20	8.78
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	20	8.78
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	5	8.78
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	5	8.78
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	5	8.78
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	5	8.78
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	5	8.78
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	5	8.78
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	17	8.78
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	17	8.78
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	17	8.78
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	17	8.78
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	17	8.78
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	17	8.78
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	20	8.78
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	20	8.78
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	20	8.78
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	20	8.78
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	20	8.78
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	20	8.78
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	16	8.77
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	7	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	7	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	7	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	15	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	15	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	15	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	19	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	19	8.76
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	19	8.76
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	7	8.76
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	7	8.76
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	7	8.76
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	7	8.76
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	7	8.76
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	7	8.76
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	15	8.76
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	15	8.76
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	15	8.76
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	15	8.76
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	15	8.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	15	8.76
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	19	8.76
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	19	8.76
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	19	8.76
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	19	8.76
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	19	8.76
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	19	8.76
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	17	8.74
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	15	8.73
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	15	8.73
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	15	8.73
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	15	8.73
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	7	8.73
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	2	8.73
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	2	8.73
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	2	8.73
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	2	8.73
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	2	8.73
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	2	8.73
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	2	8.73
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	2	8.73
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	2	8.73
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	3	8.72
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	3	8.72
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	3	8.72
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	14	8.72
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	14	8.72
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	14	8.72
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	3	8.72
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	3	8.72
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	3	8.72
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	3	8.72
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	3	8.72
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	3	8.72
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	14	8.72
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	14	8.72
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	14	8.72
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	14	8.72
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	14	8.72
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	14	8.72
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	8	8.71
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	18	8.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	18	8.69
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	18	8.69
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	1	8.69
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	19	8.69
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	18	8.69
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	18	8.69
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	18	8.69
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	8	8.68
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	8	8.68
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	8	8.68
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	8	8.68
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	8	8.68
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	8	8.68
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	9	8.68
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	9	8.68
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	9	8.68
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	13	8.68
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	13	8.68
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	13	8.68
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	9	8.68
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	9	8.68
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	9	8.68
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	9	8.68
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	9	8.68
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	9	8.68
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	13	8.68
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	13	8.68
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	13	8.68
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	13	8.68
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	13	8.68
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	13	8.68
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	12	8.67
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	12	8.67
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB2	12	8.67
(1,7677)	1:89:A:ASP:H	1:82:A:SER:HB3	12	8.67
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	10	8.67
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	14	8.66
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	14	8.66
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	14	8.66
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	17	8.66
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	17	8.66
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	17	8.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	14	8.66
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	14	8.66
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	14	8.66
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	17	8.66
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	17	8.66
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	17	8.66
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	1	8.65
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	1	8.65
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	1	8.65
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	19	8.65
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	19	8.65
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	19	8.65
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	1	8.65
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	1	8.65
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	1	8.65
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	19	8.65
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	19	8.65
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	19	8.65
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	16	8.64
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	16	8.64
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	16	8.64
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	2	8.64
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	20	8.64
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	16	8.64
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	16	8.64
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	16	8.64
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	9	8.63
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	9	8.63
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	9	8.63
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	9	8.63
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	9	8.63
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	9	8.63
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	11	8.63
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	11	8.63
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	11	8.63
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	11	8.63
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	11	8.63
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	11	8.63
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	11	8.63
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	11	8.63
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	11	8.63
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	3	8.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	9	8.62
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	10	8.61
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	10	8.61
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	10	8.61
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	11	8.61
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	11	8.61
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	11	8.61
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	10	8.61
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	10	8.61
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	10	8.61
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	11	8.61
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	11	8.61
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	11	8.61
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	2	8.6
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	2	8.6
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	2	8.6
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	7	8.6
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	7	8.6
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	7	8.6
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	13	8.6
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	13	8.6
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	13	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	2	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	2	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	2	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	7	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	7	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	7	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	13	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	13	8.6
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	13	8.6
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	6	8.59
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	6	8.59
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	6	8.59
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	20	8.59
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	20	8.59
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	20	8.59
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	5	8.59
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	14	8.59
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	6	8.59
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	6	8.59
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	6	8.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	20	8.59
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	20	8.59
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	20	8.59
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	15	8.57
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	15	8.57
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	15	8.57
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	13	8.57
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	15	8.57
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	15	8.57
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	15	8.57
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	12	8.57
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	12	8.57
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	12	8.57
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	12	8.57
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	12	8.57
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	12	8.57
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	12	8.57
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	12	8.57
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	12	8.57
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	4	8.55
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	4	8.55
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	4	8.55
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	4	8.55
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	4	8.55
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	4	8.55
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	5	8.54
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	5	8.54
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	5	8.54
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	12	8.54
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	12	8.54
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	12	8.54
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	5	8.54
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	5	8.54
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	5	8.54
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	12	8.54
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	12	8.54
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	12	8.54
(1,7711)	1:96:A:THR:HG21	1:78:A:GLN:HA	3	8.52
(1,7711)	1:96:A:THR:HG22	1:78:A:GLN:HA	3	8.52
(1,7711)	1:96:A:THR:HG23	1:78:A:GLN:HA	3	8.52
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG21	3	8.52
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG22	3	8.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7611)	1:78:A:GLN:HA	1:96:A:THR:HG23	3	8.52
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	12	8.51
(1,7648)	1:81:A:SER:HA	1:33:A:VAL:HB	6	8.49
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	6	8.46
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	6	8.46
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	6	8.46
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	6	8.46
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	6	8.46
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	6	8.46
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	6	8.46
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	6	8.46
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	6	8.46
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	6	8.46
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	6	8.46
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	6	8.46
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	15	8.43
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	15	8.43
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	15	8.43
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	15	8.43
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	15	8.43
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	15	8.43
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	15	8.43
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	15	8.43
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	15	8.43
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	15	8.43
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	15	8.43
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	15	8.43
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	1	8.42
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	1	8.42
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	1	8.42
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	14	8.41
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	14	8.41
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	14	8.41
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	14	8.41
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	14	8.41
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	14	8.41
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	14	8.41
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	14	8.41
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	14	8.41
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	14	8.41
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	14	8.41
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	14	8.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	18	8.4
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	18	8.4
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	18	8.4
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG11	6	8.4
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG12	6	8.4
(1,7598)	1:77:A:LEU:HB2	1:38:A:VAL:HG13	6	8.4
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB2	6	8.4
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB2	6	8.4
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB2	6	8.4
(1,7532)	1:38:A:VAL:HG11	1:77:A:LEU:HB3	6	8.4
(1,7532)	1:38:A:VAL:HG12	1:77:A:LEU:HB3	6	8.4
(1,7532)	1:38:A:VAL:HG13	1:77:A:LEU:HB3	6	8.4
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	11	8.39
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	11	8.39
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	11	8.39
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	11	8.39
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	11	8.39
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	11	8.39
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	11	8.39
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	11	8.39
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	11	8.39
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	11	8.39
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	11	8.39
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	11	8.39
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	6	8.36
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	6	8.36
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	6	8.36
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	3	8.35
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	3	8.35
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	3	8.35
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	20	8.35
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	20	8.35
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	7	8.34
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	7	8.34
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	7	8.34
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	7	8.34
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	7	8.34
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	7	8.34
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	7	8.34
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	7	8.34
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	7	8.34
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	7	8.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	7	8.34
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	7	8.34
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	14	8.34
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	14	8.34
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	14	8.34
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	8	8.33
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	8	8.33
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	8	8.33
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	13	8.33
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	13	8.33
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	13	8.33
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	20	8.33
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	20	8.33
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	20	8.33
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	18	8.32
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	18	8.32
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	18	8.32
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	18	8.32
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	18	8.32
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	18	8.32
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	18	8.32
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	18	8.32
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	18	8.32
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	18	8.32
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	18	8.32
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	18	8.32
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	10	8.32
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	10	8.32
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	10	8.32
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	18	8.31
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	18	8.31
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	18	8.31
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	7	8.3
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	7	8.3
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	7	8.3
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	1	8.29
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	1	8.29
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	1	8.29
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	1	8.29
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	1	8.29
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	1	8.29
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	1	8.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	1	8.29
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	1	8.29
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	1	8.29
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	1	8.29
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	1	8.29
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	1	8.29
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	1	8.29
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	1	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	4	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	4	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	4	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	15	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	15	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	15	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	16	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	16	8.29
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	16	8.29
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	3	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	3	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	3	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	3	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	3	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	3	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	3	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	3	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	3	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	3	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	3	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	3	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	10	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	10	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	10	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	10	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	10	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	10	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	10	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	10	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	10	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	10	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	10	8.28
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	10	8.28
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	12	8.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	12	8.28
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	12	8.28
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	19	8.28
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	19	8.28
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	19	8.28
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	4	8.27
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	4	8.27
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	4	8.27
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	4	8.27
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	4	8.27
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	4	8.27
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	4	8.27
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	4	8.27
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	4	8.27
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	4	8.27
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	4	8.27
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	4	8.27
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	11	8.25
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	11	8.25
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	11	8.25
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	17	8.25
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	17	8.25
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	17	8.25
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	2	8.24
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	2	8.24
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	2	8.24
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	2	8.24
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	2	8.24
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	2	8.24
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	2	8.24
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	2	8.24
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	2	8.24
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	2	8.24
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	2	8.24
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	2	8.24
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	5	8.24
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	5	8.24
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	5	8.24
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	11	8.24
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	11	8.24
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	11	8.24
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	10	8.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	10	8.22
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	19	8.21
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	19	8.21
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	19	8.21
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	19	8.21
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	19	8.21
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	19	8.21
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	19	8.21
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	19	8.21
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	19	8.21
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	19	8.21
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	19	8.21
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	19	8.21
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	6	8.21
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	6	8.21
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	6	8.21
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	9	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	9	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	9	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	9	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	9	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	9	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	9	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	9	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	9	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	9	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	9	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	9	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	12	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	12	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	12	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	12	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	12	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	12	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	12	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	12	8.2
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	12	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	12	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	12	8.2
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	12	8.2
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	9	8.2
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	9	8.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	9	8.2
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	8	8.2
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	8	8.2
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	15	8.18
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	15	8.18
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	15	8.18
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG21	2	8.18
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG22	2	8.18
(1,7631)	1:79:A:LEU:H	1:88:A:VAL:HG23	2	8.18
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	16	8.18
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	16	8.18
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	13	8.17
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	13	8.17
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	13	8.17
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	13	8.17
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	13	8.17
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	13	8.17
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	13	8.17
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	13	8.17
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	13	8.17
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	13	8.17
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	13	8.17
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	13	8.17
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	3	8.17
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	3	8.17
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	3	8.17
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	4	8.17
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	4	8.17
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	4	8.17
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	20	8.16
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	20	8.16
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	20	8.16
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	20	8.16
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	20	8.16
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	20	8.16
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	20	8.16
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	20	8.16
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	20	8.16
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	20	8.16
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	20	8.16
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	20	8.16
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	12	8.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	12	8.16
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	12	8.16
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	16	8.15
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	16	8.15
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	16	8.15
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	16	8.15
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	16	8.15
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	16	8.15
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	16	8.15
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	16	8.15
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	16	8.15
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	16	8.15
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	16	8.15
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	16	8.15
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	14	8.14
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	14	8.14
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	1	8.13
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	1	8.13
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	1	8.13
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	12	8.13
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	12	8.13
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	12	8.13
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	14	8.13
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	14	8.13
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	14	8.13
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	2	8.12
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	2	8.12
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	2	8.12
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	5	8.11
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	5	8.11
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	5	8.11
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	5	8.11
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	5	8.11
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	5	8.11
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	5	8.11
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	5	8.11
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	5	8.11
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	5	8.11
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	5	8.11
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	5	8.11
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	16	8.11
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	16	8.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	16	8.11
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	19	8.11
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	19	8.11
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	19	8.11
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	13	8.09
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	13	8.09
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	13	8.09
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	20	8.09
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	20	8.09
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	20	8.09
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	8	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	8	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	8	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	8	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	8	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	8	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	8	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	8	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	8	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	8	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	8	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	8	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD11	17	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD12	17	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD13	17	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD11	17	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD12	17	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD13	17	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD21	17	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD22	17	8.08
(1,7731)	1:101:A:SER:HB2	1:13:A:LEU:HD23	17	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD21	17	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD22	17	8.08
(1,7731)	1:101:A:SER:HB3	1:13:A:LEU:HD23	17	8.08
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	9	8.08
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	9	8.08
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	9	8.08
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	15	8.08
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	15	8.08
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	15	8.08
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	3	8.07
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	3	8.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	3	8.07
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	15	8.07
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	15	8.07
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	18	8.05
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	18	8.05
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	18	8.05
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	7	8.03
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	7	8.03
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	7	8.03
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	10	8.03
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	10	8.03
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	10	8.03
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	5	8.01
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	5	8.01
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	5	8.01
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	1	8.01
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	1	8.01
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	4	8.01
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	4	8.01
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	4	8.0
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	4	8.0
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	4	8.0
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	11	8.0
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	11	8.0
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	11	8.0
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	10	7.99
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	10	7.99
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	10	7.99
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	2	7.99
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	2	7.99
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	17	7.98
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	17	7.98
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	17	7.98
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	9	7.98
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	9	7.98
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	16	7.97
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	16	7.97
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	16	7.97
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	17	7.96
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	17	7.96
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	20	7.93
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	20	7.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	20	7.93
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	20	7.93
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	20	7.93
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	20	7.93
(1,7707)	1:96:A:THR:HG21	1:74:A:THR:HB	8	7.92
(1,7707)	1:96:A:THR:HG22	1:74:A:THR:HB	8	7.92
(1,7707)	1:96:A:THR:HG23	1:74:A:THR:HB	8	7.92
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	4	7.92
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	4	7.92
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	4	7.92
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	7	7.92
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	7	7.92
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	7	7.92
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	8	7.91
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	8	7.91
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	8	7.91
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	17	7.91
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	17	7.91
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	17	7.91
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	1	7.9
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	1	7.9
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	1	7.9
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	5	7.9
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	5	7.9
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	5	7.9
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	19	7.87
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	19	7.87
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	19	7.87
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	16	7.87
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	16	7.87
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	16	7.87
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	16	7.87
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	16	7.87
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	16	7.87
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	3	7.87
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	3	7.87
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	18	7.85
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	18	7.85
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	18	7.85
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	8	7.85
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	8	7.85
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	8	7.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	8	7.85
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	8	7.85
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	8	7.85
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	20	7.84
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	20	7.84
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	20	7.84
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	2	7.83
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	2	7.83
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	2	7.83
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	15	7.79
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	15	7.79
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	15	7.79
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	3	7.78
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	3	7.78
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	3	7.78
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	13	7.78
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	13	7.78
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	13	7.78
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	6	7.76
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	6	7.76
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	9	7.76
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	9	7.76
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	9	7.76
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	8	7.75
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	8	7.75
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	14	7.75
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	14	7.75
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	14	7.75
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	18	7.74
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	18	7.74
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	1	7.73
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	1	7.73
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	4	7.73
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	4	7.73
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	13	7.72
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	13	7.72
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	18	7.72
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	18	7.72
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	18	7.72
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	17	7.72
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	17	7.72
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	17	7.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	17	7.72
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	17	7.72
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	17	7.72
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	7	7.71
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	7	7.71
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	20	7.71
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	20	7.71
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	2	7.7
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	2	7.7
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	10	7.7
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	10	7.7
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	17	7.69
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	17	7.69
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	11	7.67
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	11	7.67
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	11	7.67
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	9	7.67
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	9	7.67
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	16	7.66
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	16	7.66
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	8	7.66
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	8	7.66
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	8	7.66
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	19	7.66
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	19	7.66
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	19	7.66
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	11	7.66
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	11	7.66
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	11	7.66
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	17	7.64
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	17	7.64
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	17	7.64
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	4	7.62
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	4	7.62
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	4	7.62
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	1	7.6
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	1	7.6
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	1	7.6
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	9	7.6
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	9	7.6
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	9	7.6
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	6	7.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	6	7.6
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	6	7.6
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	15	7.59
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	15	7.59
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	15	7.59
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD11	12	7.59
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD12	12	7.59
(1,7531)	1:38:A:VAL:HB	1:77:A:LEU:HD13	12	7.59
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	3	7.58
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	3	7.58
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	10	7.58
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	10	7.58
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	10	7.58
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	14	7.58
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	14	7.58
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	14	7.58
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	7	7.58
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	7	7.58
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	14	7.57
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	14	7.57
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	15	7.57
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	15	7.57
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	12	7.57
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	12	7.57
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	12	7.56
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	12	7.56
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	16	7.56
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	16	7.56
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	16	7.56
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	3	7.55
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	3	7.55
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	3	7.55
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	9	7.55
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	9	7.55
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	9	7.55
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	9	7.55
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	9	7.55
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	9	7.55
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	19	7.54
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	19	7.54
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	19	7.54
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	6	7.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	6	7.54
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	19	7.53
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	19	7.53
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	7	7.53
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	7	7.53
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	7	7.53
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	20	7.53
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	20	7.53
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	20	7.53
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	12	7.52
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	12	7.52
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	12	7.52
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	13	7.52
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	13	7.52
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	11	7.51
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	11	7.51
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	13	7.51
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	13	7.51
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	13	7.51
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	2	7.5
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	2	7.5
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	2	7.5
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	15	7.5
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	15	7.5
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	15	7.5
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	11	7.49
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	11	7.49
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	11	7.49
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	5	7.48
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	5	7.48
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	5	7.48
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG21	6	7.48
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG22	6	7.48
(1,7647)	1:81:A:SER:H	1:96:A:THR:HG23	6	7.48
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	4	7.47
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	4	7.47
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	4	7.47
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB2	5	7.46
(1,7670)	1:87:A:ALA:H	1:82:A:SER:HB3	5	7.46
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	10	7.46
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	10	7.46
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	10	7.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	3	7.41
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	3	7.41
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	3	7.41
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	1	7.39
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	1	7.39
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	1	7.39
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	14	7.39
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	14	7.39
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	14	7.39
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	6	7.38
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	6	7.38
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	6	7.38
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	5	7.37
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	5	7.37
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	19	7.35
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	19	7.35
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	2	7.33
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	2	7.33
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	2	7.33
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	5	7.31
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	5	7.31
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	5	7.31
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	19	7.28
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	19	7.28
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	19	7.28
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	17	7.28
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	17	7.28
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	17	7.28
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	9	7.27
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	9	7.27
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	9	7.27
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	1	7.26
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	1	7.26
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	1	7.26
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	1	7.26
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	1	7.26
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	1	7.26
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	8	7.26
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	8	7.26
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	8	7.26
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	8	7.26
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	8	7.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	8	7.26
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	17	7.26
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	17	7.26
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	17	7.26
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	17	7.26
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	17	7.26
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	17	7.26
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	18	7.26
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	18	7.26
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	18	7.26
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	18	7.26
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	18	7.26
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	18	7.26
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	14	7.25
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	14	7.25
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	14	7.25
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	14	7.25
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	14	7.25
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	14	7.25
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	16	7.25
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	16	7.25
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	16	7.25
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	16	7.25
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	16	7.25
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	16	7.25
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	16	7.24
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	16	7.24
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	16	7.24
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	20	7.24
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	20	7.24
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	20	7.24
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	11	7.24
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	11	7.24
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	19	7.23
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	19	7.23
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	19	7.23
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	19	7.23
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	19	7.23
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	19	7.23
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	7	7.23
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	7	7.23
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	7	7.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	8	7.23
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	8	7.23
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	8	7.23
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	13	7.23
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	13	7.23
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	13	7.23
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	14	7.23
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	14	7.23
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	14	7.23
(1,7442)	1:3:A:PHE:HE1	1:108:A:LEU:HA	18	7.23
(1,7442)	1:3:A:PHE:HE2	1:108:A:LEU:HA	18	7.23
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	9	7.22
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	9	7.22
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	9	7.22
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	9	7.22
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	9	7.22
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	9	7.22
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	17	7.22
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	17	7.22
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	17	7.22
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	7	7.22
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	7	7.22
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	7	7.22
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	2	7.2
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	2	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	2	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	2	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	2	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	2	7.2
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	11	7.2
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	11	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	11	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	11	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	11	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	11	7.2
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	13	7.2
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	13	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	13	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	13	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	13	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	13	7.2
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	20	7.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	20	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	20	7.2
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	20	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	20	7.2
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	20	7.2
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	2	7.2
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	2	7.2
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	2	7.2
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	7	7.19
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	7	7.19
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	7	7.19
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	7	7.19
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	7	7.19
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	7	7.19
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	10	7.19
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	10	7.19
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	10	7.19
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	10	7.19
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	10	7.19
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	10	7.19
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	15	7.18
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	15	7.18
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	15	7.18
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	15	7.18
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	15	7.18
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	15	7.18
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	6	7.17
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	6	7.17
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	6	7.17
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	6	7.17
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	6	7.17
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	6	7.17
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	1	7.17
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	10	7.16
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	10	7.16
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	10	7.16
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	12	7.15
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	12	7.15
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	12	7.15
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	12	7.15
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	12	7.15
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	12	7.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	20	7.15
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	20	7.15
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	20	7.15
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	18	7.15
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	18	7.15
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	18	7.15
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	4	7.14
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	4	7.14
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	4	7.14
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	4	7.14
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	4	7.14
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	4	7.14
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	5	7.14
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	5	7.14
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	5	7.14
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	5	7.14
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	5	7.14
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	5	7.14
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	6	7.14
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	6	7.14
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	6	7.14
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB2	3	7.13
(1,7713)	1:96:A:THR:HG21	1:78:A:GLN:HB3	3	7.13
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB2	3	7.13
(1,7713)	1:96:A:THR:HG22	1:78:A:GLN:HB3	3	7.13
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB2	3	7.13
(1,7713)	1:96:A:THR:HG23	1:78:A:GLN:HB3	3	7.13
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	6	7.13
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	6	7.13
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	6	7.13
(1,7712)	1:96:A:THR:HG21	1:78:A:GLN:HG2	5	7.12
(1,7712)	1:96:A:THR:HG22	1:78:A:GLN:HG2	5	7.12
(1,7712)	1:96:A:THR:HG23	1:78:A:GLN:HG2	5	7.12
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	16	7.1
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	16	7.1
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	16	7.1
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	14	7.06
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	14	7.06
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	14	7.06
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	19	7.04
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	19	7.04
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	19	7.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	2	7.03
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	2	7.03
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	2	7.03
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	16	7.03
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	16	7.03
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	16	7.03
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	12	7.02
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	12	7.02
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	12	7.02
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	1	7.01
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	1	7.01
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	1	7.01
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	8	7.01
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	8	7.01
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	8	7.01
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	10	6.99
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	10	6.99
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	10	6.99
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	12	6.99
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	12	6.99
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	12	6.99
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	13	6.98
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	13	6.98
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	13	6.98
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	20	6.98
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	20	6.98
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	20	6.98
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	9	6.97
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	9	6.97
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	9	6.97
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	6	6.97
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	6	6.97
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	6	6.97
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	6	6.97
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	6	6.97
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	6	6.97
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	7	6.96
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	7	6.96
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	7	6.96
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	15	6.96
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	15	6.96
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	15	6.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	3	6.95
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	3	6.95
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	3	6.95
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	3	6.95
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	3	6.95
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	3	6.95
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	18	6.94
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	18	6.94
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	18	6.94
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	5	6.93
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	5	6.93
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	5	6.93
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	17	6.93
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	17	6.93
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	17	6.93
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	14	6.93
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	14	6.93
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	14	6.93
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	14	6.93
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	14	6.93
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	14	6.93
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	13	6.93
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	13	6.93
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	13	6.93
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	20	6.92
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	20	6.92
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	20	6.92
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	20	6.92
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	20	6.92
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	20	6.92
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	4	6.9
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	4	6.9
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	4	6.9
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	8	6.9
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	8	6.9
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	8	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	5	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	5	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	5	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	5	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	5	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	5	6.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	13	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	13	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	13	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	13	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	13	6.9
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	13	6.9
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	3	6.89
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	3	6.89
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	3	6.89
(1,7706)	1:96:A:THR:HG21	1:74:A:THR:HA	11	6.89
(1,7706)	1:96:A:THR:HG22	1:74:A:THR:HA	11	6.89
(1,7706)	1:96:A:THR:HG23	1:74:A:THR:HA	11	6.89
(1,7467)	1:13:A:LEU:HD21	1:100:A:VAL:HB	9	6.89
(1,7467)	1:13:A:LEU:HD22	1:100:A:VAL:HB	9	6.89
(1,7467)	1:13:A:LEU:HD23	1:100:A:VAL:HB	9	6.89
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	6	6.88
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	6	6.88
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	6	6.88
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	8	6.87
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	8	6.87
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	8	6.87
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	19	6.87
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	19	6.87
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	19	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	1	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	1	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	1	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	1	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	1	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	1	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	11	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	11	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	11	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	11	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	11	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	11	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	19	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	19	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	19	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	19	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	19	6.87
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	19	6.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	7	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	7	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	7	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	7	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	7	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	7	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	8	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	8	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	8	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	8	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	8	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	8	6.86
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	18	6.86
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	18	6.86
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	18	6.86
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	18	6.86
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	20	6.86
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	20	6.86
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	20	6.86
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	20	6.86
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	9	6.85
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	9	6.85
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	9	6.85
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	9	6.85
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	9	6.85
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	9	6.85
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	10	6.84
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	10	6.84
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	10	6.84
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	4	6.83
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	4	6.83
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	4	6.83
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	4	6.83
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	4	6.83
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	4	6.83
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	14	6.83
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	14	6.83
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	14	6.83
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	17	6.83
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	17	6.83
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	17	6.82
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	17	6.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	17	6.82
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	16	6.82
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	16	6.82
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	16	6.82
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	16	6.82
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	16	6.82
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	16	6.82
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	16	6.82
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	16	6.82
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	16	6.82
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	14	6.81
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	14	6.81
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	14	6.81
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	17	6.81
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	17	6.81
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	17	6.81
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	17	6.81
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	17	6.81
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	17	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	1	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	1	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	1	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	8	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	8	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	8	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	17	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	17	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	17	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	18	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	18	6.81
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	18	6.81
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	18	6.8
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	18	6.8
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	18	6.8
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	18	6.8
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	18	6.8
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	18	6.8
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	16	6.79
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	16	6.79
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	16	6.79
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	2	6.79
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	20	6.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	20	6.78
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	20	6.78
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	18	6.78
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	18	6.78
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	9	6.77
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	9	6.77
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	9	6.77
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	13	6.77
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	13	6.77
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	13	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	2	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	2	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	2	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	6	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	6	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	6	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	9	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	9	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	9	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	13	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	13	6.77
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	13	6.77
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	5	6.76
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	5	6.76
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	5	6.76
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	7	6.76
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	7	6.76
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	7	6.76
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	15	6.76
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	15	6.76
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	15	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	10	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	10	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	10	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	20	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	20	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	20	6.76
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	7	6.75
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	7	6.75
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	7	6.75
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	7	6.75
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	7	6.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	19	6.74
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	19	6.74
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	19	6.74
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	11	6.74
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	11	6.74
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	2	6.73
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	2	6.73
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	2	6.73
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	4	6.73
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	4	6.73
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	4	6.73
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	8	6.73
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	1	6.73
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	1	6.73
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	4	6.73
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	4	6.73
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	10	6.73
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	10	6.73
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	19	6.73
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	19	6.73
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	14	6.73
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	14	6.73
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	14	6.73
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	14	6.73
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	14	6.73
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	14	6.73
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	1	6.72
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	1	6.72
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	1	6.72
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	11	6.72
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	11	6.72
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	11	6.72
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	18	6.72
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	18	6.72
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	18	6.72
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	3	6.71
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	3	6.71
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	3	6.71
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	3	6.71
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	5	6.7
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	5	6.7
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	5	6.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	12	6.7
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	12	6.7
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	12	6.7
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	16	6.7
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	16	6.7
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	12	6.68
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	12	6.68
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	12	6.68
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	11	6.68
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	11	6.68
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	11	6.68
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	6	6.68
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	6	6.68
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	6	6.68
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	7	6.68
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	7	6.68
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	7	6.68
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	7	6.68
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	17	6.68
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	17	6.68
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	17	6.68
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	17	6.68
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	8	6.67
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	8	6.67
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	8	6.67
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	19	6.67
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	19	6.67
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	19	6.67
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	12	6.67
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	10	6.67
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	10	6.67
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	10	6.67
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	10	6.67
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	10	6.67
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	10	6.67
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	15	6.66
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	15	6.66
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	15	6.66
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	2	6.66
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	2	6.66
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	12	6.66
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	12	6.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	12	6.66
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	12	6.66
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	3	6.65
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	3	6.65
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	15	6.65
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	15	6.65
(1,7708)	1:96:A:THR:HG21	1:77:A:LEU:HB3	3	6.64
(1,7708)	1:96:A:THR:HG22	1:77:A:LEU:HB3	3	6.64
(1,7708)	1:96:A:THR:HG23	1:77:A:LEU:HB3	3	6.64
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	10	6.64
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	10	6.64
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	10	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	1	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	1	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	1	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	1	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	1	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	1	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	4	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	4	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	4	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	4	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	4	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	4	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	15	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	15	6.64
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	15	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	15	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	15	6.64
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	15	6.64
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	4	6.63
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	4	6.63
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	4	6.63
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	4	6.63
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	4	6.63
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	4	6.63
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	4	6.62
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	4	6.62
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	4	6.62
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	17	6.62
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	17	6.62
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	17	6.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	2	6.62
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	2	6.62
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	2	6.62
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	2	6.62
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	2	6.62
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	2	6.62
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	3	6.62
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	3	6.62
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	3	6.62
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	3	6.62
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	3	6.62
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	3	6.62
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	14	6.61
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	14	6.61
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	14	6.61
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	9	6.61
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	9	6.61
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	9	6.61
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	9	6.61
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG21	3	6.6
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG22	3	6.6
(1,7610)	1:78:A:GLN:H	1:96:A:THR:HG23	3	6.6
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	5	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	5	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	5	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	5	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	5	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	5	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	18	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	18	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	18	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	18	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	18	6.59
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	18	6.59
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	16	6.59
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	16	6.59
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	16	6.59
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	20	6.58
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	20	6.58
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	20	6.58
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	8	6.58
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	8	6.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	8	6.58
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	8	6.58
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	8	6.58
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	8	6.58
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	16	6.57
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	16	6.57
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	16	6.57
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	16	6.57
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	16	6.57
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	16	6.57
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	9	6.57
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	9	6.57
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	9	6.57
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	13	6.57
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	13	6.57
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	13	6.57
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	7	6.57
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	7	6.57
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	7	6.57
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	7	6.57
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	7	6.57
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	7	6.57
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	5	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	5	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	5	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	7	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	7	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	7	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	15	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	15	6.56
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	15	6.56
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	12	6.56
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	12	6.56
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	12	6.56
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	12	6.56
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	12	6.56
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	12	6.56
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	5	6.56
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	5	6.56
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	5	6.56
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	5	6.56
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	1	6.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	1	6.55
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	1	6.55
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	1	6.55
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	1	6.55
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	1	6.55
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	19	6.55
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	19	6.55
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	19	6.55
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	19	6.55
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	2	6.53
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	2	6.53
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	2	6.53
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	4	6.53
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	4	6.53
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	4	6.53
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	13	6.53
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	13	6.53
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	13	6.53
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	13	6.53
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	1	6.52
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	1	6.52
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	1	6.52
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	11	6.52
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	11	6.52
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	11	6.52
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	18	6.52
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	18	6.52
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	18	6.52
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	11	6.52
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	11	6.52
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	11	6.52
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	11	6.52
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	15	6.52
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	15	6.52
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	15	6.52
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	15	6.52
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	9	6.51
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	9	6.51
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	10	6.5
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	10	6.5
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	10	6.5
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	10	6.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	10	6.5
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	10	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	7	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	7	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	7	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	7	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	7	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	7	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	10	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	10	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	10	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	10	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	10	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	10	6.5
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	20	6.5
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	20	6.5
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	5	6.5
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	5	6.5
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	5	6.5
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	5	6.5
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	5	6.5
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	5	6.5
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	1	6.5
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	1	6.5
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	1	6.5
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	1	6.5
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	6	6.5
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	6	6.5
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	6	6.5
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	6	6.5
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	14	6.5
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	14	6.5
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	14	6.5
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	14	6.5
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	8	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	8	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	8	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	8	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	8	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	8	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	17	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	17	6.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	17	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	17	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	17	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	17	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	19	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	19	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	19	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	19	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	19	6.49
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	19	6.49
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	16	6.49
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	16	6.49
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	16	6.49
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	16	6.49
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	12	6.48
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	12	6.48
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	12	6.48
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	1	6.48
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	2	6.48
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	2	6.48
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	2	6.48
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	2	6.48
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	4	6.48
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	4	6.48
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	4	6.48
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	4	6.48
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	2	6.47
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	2	6.47
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	2	6.47
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	2	6.47
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	2	6.47
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	2	6.47
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	3	6.47
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	3	6.47
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	3	6.47
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	3	6.47
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	3	6.47
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	3	6.47
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	14	6.47
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	6	6.47
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	14	6.47
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	14	6.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	19	6.46
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	5	6.45
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	5	6.45
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE2	10	6.45
(1,7440)	1:3:A:PHE:HD1	1:65:A:LYS:HE3	10	6.45
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE2	10	6.45
(1,7440)	1:3:A:PHE:HD2	1:65:A:LYS:HE3	10	6.45
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	20	6.44
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	20	6.44
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	20	6.44
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	20	6.44
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	20	6.44
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	20	6.44
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG21	3	6.44
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG22	3	6.44
(1,7601)	1:77:A:LEU:HB3	1:96:A:THR:HG23	3	6.44
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	6	6.44
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	6	6.44
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	2	6.43
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	6	6.43
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	9	6.42
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	15	6.41
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	15	6.41
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	15	6.41
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	15	6.41
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	15	6.41
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	15	6.41
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	11	6.41
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	18	6.41
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	11	6.41
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	11	6.41
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	11	6.41
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	11	6.41
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	11	6.41
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	11	6.41
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	13	6.41
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	13	6.41
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	13	6.41
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	13	6.41
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	13	6.41
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	13	6.41
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	12	6.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	16	6.4
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	6	6.4
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	6	6.4
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	6	6.4
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	6	6.4
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	6	6.4
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	6	6.4
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	18	6.4
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	18	6.4
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	18	6.4
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	18	6.4
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	18	6.4
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	18	6.4
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD11	12	6.39
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD12	12	6.39
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD13	12	6.39
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD21	12	6.39
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD22	12	6.39
(1,7674)	1:88:A:VAL:HB	1:79:A:LEU:HD23	12	6.39
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	2	6.39
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	2	6.39
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	2	6.39
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	2	6.39
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	2	6.39
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	2	6.39
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	15	6.39
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	13	6.39
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	13	6.39
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB1	19	6.39
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB2	19	6.39
(1,7445)	1:3:A:PHE:HE1	1:109:A:ALA:HB3	19	6.39
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB1	19	6.39
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB2	19	6.39
(1,7445)	1:3:A:PHE:HE2	1:109:A:ALA:HB3	19	6.39
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	9	6.38
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	9	6.38
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	9	6.38
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	9	6.38
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	9	6.38
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	9	6.38
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	16	6.38
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	9	6.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	18	6.36
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	18	6.36
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	18	6.36
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	18	6.36
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	18	6.36
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	18	6.36
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	6	6.36
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	6	6.36
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	6	6.36
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	4	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	4	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	4	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	4	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	4	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	4	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	16	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	16	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	16	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	16	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	16	6.35
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	16	6.35
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	3	6.35
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	13	6.35
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	19	6.34
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	19	6.34
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	19	6.34
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	7	6.34
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	10	6.34
(1,7538)	1:43:A:PHE:HE1	1:77:A:LEU:HB3	12	6.34
(1,7538)	1:43:A:PHE:HE2	1:77:A:LEU:HB3	12	6.34
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	14	6.33
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	14	6.33
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	14	6.33
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	14	6.33
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	14	6.33
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	14	6.33
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	14	6.33
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	14	6.33
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	14	6.33
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	5	6.33
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	12	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	12	6.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	12	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	12	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	12	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	12	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	13	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	13	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	13	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	13	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	13	6.32
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	13	6.32
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	19	6.31
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	19	6.31
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	19	6.31
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	16	6.3
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	16	6.3
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	16	6.3
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	20	6.3
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	20	6.3
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	20	6.3
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	10	6.29
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	10	6.29
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	10	6.29
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	8	6.29
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	8	6.29
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	8	6.29
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	8	6.29
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	8	6.29
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	8	6.29
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	10	6.29
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	10	6.29
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	10	6.29
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	1	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	1	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	1	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	1	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	1	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	1	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	7	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	7	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	7	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	7	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	7	6.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	7	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	17	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	17	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	17	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	17	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	17	6.28
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	17	6.28
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	8	6.28
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	8	6.28
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	8	6.28
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	17	6.28
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	17	6.28
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	17	6.28
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	15	6.27
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	15	6.27
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	15	6.27
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	15	6.27
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	15	6.27
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	15	6.27
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	6	6.27
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	6	6.27
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	6	6.27
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	6	6.27
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	6	6.27
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	6	6.27
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	18	6.27
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	18	6.27
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	18	6.27
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	4	6.27
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	15	6.26
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	15	6.26
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	15	6.26
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	18	6.26
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	18	6.26
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	18	6.26
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	18	6.26
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	18	6.26
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	18	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	1	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	1	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	1	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	2	6.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	2	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	2	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	13	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	13	6.26
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	13	6.26
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	20	6.26
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	10	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	10	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	10	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	10	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	10	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	10	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	19	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	19	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	19	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	19	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	19	6.25
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	19	6.25
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	5	6.25
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	5	6.25
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	5	6.25
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	5	6.25
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	11	6.24
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	11	6.24
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	11	6.24
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	9	6.24
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	9	6.24
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	9	6.24
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	2	6.23
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	2	6.23
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	2	6.23
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	10	6.23
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	10	6.23
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	10	6.23
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	10	6.23
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	10	6.23
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	10	6.23
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	1	6.23
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	1	6.23
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	1	6.23
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	1	6.23
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	1	6.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	1	6.23
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	12	6.23
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	12	6.23
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	12	6.23
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	15	6.23
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	15	6.23
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	15	6.23
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	17	6.23
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	18	6.23
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	7	6.22
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	7	6.22
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	7	6.22
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	13	6.22
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	14	6.21
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	14	6.21
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	14	6.21
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	14	6.21
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	14	6.21
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	14	6.21
(1,7585)	1:74:A:THR:H	1:100:A:VAL:HB	8	6.2
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	4	6.19
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	4	6.19
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	4	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	3	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	3	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	3	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	3	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	3	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	3	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	5	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	5	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	5	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	5	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	5	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	5	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	20	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	20	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	20	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	20	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	20	6.19
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	20	6.19
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	11	6.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	11	6.19
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	11	6.19
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	11	6.19
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	11	6.19
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	11	6.19
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	4	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	4	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	4	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	4	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	4	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	4	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	7	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	7	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	7	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	7	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	7	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	7	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	11	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	11	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	11	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	11	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	11	6.18
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	11	6.18
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	2	6.18
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	2	6.18
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	2	6.18
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	2	6.18
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	2	6.18
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	2	6.18
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	19	6.18
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	19	6.18
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	19	6.18
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	19	6.18
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	19	6.18
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	19	6.18
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	4	6.18
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	4	6.18
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	4	6.18
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	11	6.18
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	11	6.18
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	11	6.18
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	9	6.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	9	6.17
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	9	6.17
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	9	6.17
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	9	6.17
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	9	6.17
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	17	6.17
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	1	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	1	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	1	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	1	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	1	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	1	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	3	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	3	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	3	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	3	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	3	6.16
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	3	6.16
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	14	6.15
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	14	6.15
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	14	6.15
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	9	6.15
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	9	6.15
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	9	6.15
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	9	6.15
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	9	6.15
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	9	6.15
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	18	6.14
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	18	6.14
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	18	6.14
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	18	6.14
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	18	6.14
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	18	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	8	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	8	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	8	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	8	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	8	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	8	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	14	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	14	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	14	6.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	14	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	14	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	14	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	16	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	16	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	16	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	16	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	16	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	16	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	17	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	17	6.14
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	17	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	17	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	17	6.14
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	17	6.14
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	1	6.13
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	1	6.13
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	1	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	7	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	7	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	7	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	7	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	7	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	7	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	13	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	13	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	13	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	13	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	13	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	13	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	15	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	15	6.13
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	15	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	15	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	15	6.13
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	15	6.13
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG21	3	6.13
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG22	3	6.13
(1,7599)	1:77:A:LEU:HB2	1:96:A:THR:HG23	3	6.13
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	2	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	2	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	2	6.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	2	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	2	6.12
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	2	6.12
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	14	6.12
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	14	6.12
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	14	6.12
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	14	6.12
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	14	6.12
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	14	6.12
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	2	6.12
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	2	6.12
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	2	6.12
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	2	6.12
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	2	6.12
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	2	6.12
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	12	6.11
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	12	6.11
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	12	6.11
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	19	6.11
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	19	6.11
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	19	6.11
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	19	6.11
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	19	6.11
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	19	6.11
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	13	6.11
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	13	6.11
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	13	6.11
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	13	6.11
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	13	6.11
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	13	6.11
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	3	6.11
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	3	6.11
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	3	6.11
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	3	6.11
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	3	6.11
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	3	6.11
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	4	6.11
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	4	6.11
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	4	6.11
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	4	6.11
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	4	6.11
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	4	6.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	12	6.1
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	12	6.1
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	12	6.1
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	12	6.1
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	12	6.1
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	12	6.1
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	18	6.09
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	18	6.09
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	18	6.09
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	20	6.08
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	20	6.08
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	20	6.08
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	20	6.08
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	20	6.08
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	20	6.08
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	20	6.07
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	20	6.07
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	20	6.07
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	20	6.07
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	20	6.07
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	20	6.07
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	10	6.07
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	10	6.07
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	10	6.07
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	10	6.07
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	10	6.07
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	10	6.07
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	12	6.05
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	12	6.05
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	12	6.05
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	12	6.05
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	12	6.05
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	12	6.05
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	16	6.04
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	16	6.04
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	16	6.04
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	6	6.04
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	6	6.04
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	6	6.04
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	6	6.04
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	6	6.04
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	6	6.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	12	6.04
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	12	6.04
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	12	6.04
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	12	6.04
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	12	6.04
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	12	6.04
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	5	6.04
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	5	6.04
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	5	6.04
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	5	6.04
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	5	6.04
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	5	6.04
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG21	6	6.04
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG22	6	6.04
(1,7630)	1:78:A:GLN:HG2	1:96:A:THR:HG23	6	6.04
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG21	6	6.04
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG22	6	6.04
(1,7630)	1:78:A:GLN:HG3	1:96:A:THR:HG23	6	6.04
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	5	6.03
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	5	6.03
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	5	6.03
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	17	6.03
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	17	6.03
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	17	6.03
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	17	6.03
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	17	6.03
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	17	6.03
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	6	6.03
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	6	6.03
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	6	6.03
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	6	6.03
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	6	6.03
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	6	6.03
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	7	6.02
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	7	6.02
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	7	6.02
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	13	6.02
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	13	6.02
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	13	6.02
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	16	6.02
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	16	6.02
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	16	6.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	16	6.02
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	16	6.02
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	16	6.02
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	11	5.99
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	11	5.99
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	11	5.99
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	11	5.99
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	11	5.99
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	11	5.99
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	8	5.98
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	8	5.98
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	8	5.98
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	9	5.98
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	9	5.98
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	9	5.98
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	9	5.98
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	9	5.98
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	9	5.98
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	3	5.97
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	3	5.97
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	3	5.97
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	20	5.97
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	20	5.97
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	20	5.97
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	9	5.96
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	9	5.96
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	9	5.96
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	17	5.95
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	17	5.95
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	17	5.95
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	5	5.94
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	5	5.94
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	5	5.94
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	5	5.94
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	5	5.94
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	5	5.94
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	8	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	8	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	8	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	8	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	8	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	8	5.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD11	13	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD12	13	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD13	13	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD21	13	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD22	13	5.93
(1,7722)	1:100:A:VAL:HB	1:13:A:LEU:HD23	13	5.93
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	7	5.93
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	7	5.93
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	7	5.93
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	7	5.93
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	7	5.93
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	7	5.93
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	7	5.93
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	7	5.93
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	7	5.93
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG11	15	5.92
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG12	15	5.92
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG13	15	5.92
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG21	15	5.92
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG22	15	5.92
(1,7652)	1:81:A:SER:HB2	1:33:A:VAL:HG23	15	5.92
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	19	5.92
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	19	5.92
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	19	5.92
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	19	5.92
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	19	5.92
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	19	5.92
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	19	5.92
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	19	5.92
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	19	5.92
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	10	5.87
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	10	5.87
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	10	5.87
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	10	5.87
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	10	5.87
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	10	5.87
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	10	5.87
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	10	5.87
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	10	5.87
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	20	5.85
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	14	5.83
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	4	5.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	4	5.82
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	4	5.82
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	4	5.82
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	4	5.82
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	4	5.82
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	4	5.82
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	4	5.82
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	4	5.82
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	18	5.82
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	18	5.82
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	18	5.82
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	18	5.82
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	18	5.82
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	18	5.82
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	18	5.82
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	18	5.82
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	18	5.82
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	11	5.81
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	11	5.81
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	11	5.81
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	11	5.81
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	11	5.81
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	11	5.81
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	11	5.81
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	11	5.81
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	11	5.81
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	9	5.77
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	9	5.77
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	3	5.77
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	3	5.77
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	3	5.77
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	3	5.77
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	3	5.77
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	3	5.77
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	3	5.77
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	3	5.77
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	3	5.77
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	15	5.75
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	15	5.75
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	15	5.75
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	15	5.75
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	15	5.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	15	5.75
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	15	5.75
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	15	5.75
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	15	5.75
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	7	5.74
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	7	5.74
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	7	5.74
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	7	5.74
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	7	5.74
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	7	5.74
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	7	5.74
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	7	5.74
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	7	5.74
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	10	5.74
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	10	5.74
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	10	5.74
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	10	5.74
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	10	5.74
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	10	5.74
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	10	5.74
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	10	5.74
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	10	5.74
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	1	5.74
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	1	5.74
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	1	5.74
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	1	5.74
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	1	5.74
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	1	5.74
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	1	5.74
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	1	5.74
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	1	5.74
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	11	5.73
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	11	5.73
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	11	5.73
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	11	5.73
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	11	5.73
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	11	5.73
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	4	5.72
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	4	5.72
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	4	5.72
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	4	5.72
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	4	5.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	4	5.72
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	4	5.72
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	4	5.72
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	4	5.72
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	16	5.71
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	16	5.71
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	16	5.71
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	16	5.71
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	16	5.71
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	16	5.71
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	16	5.71
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	16	5.71
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	16	5.71
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	17	5.7
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	17	5.7
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	17	5.7
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	17	5.7
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	17	5.7
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	17	5.7
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	17	5.7
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	17	5.7
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	17	5.7
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	19	5.7
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	19	5.7
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	19	5.7
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	19	5.7
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	19	5.7
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	19	5.7
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	19	5.7
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	19	5.7
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	19	5.7
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG11	15	5.69
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG12	15	5.69
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG13	15	5.69
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG21	15	5.69
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG22	15	5.69
(1,7649)	1:81:A:SER:HA	1:33:A:VAL:HG23	15	5.69
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	8	5.69
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	8	5.69
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	8	5.69
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	8	5.69
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	8	5.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	8	5.69
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	8	5.69
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	8	5.69
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	8	5.69
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	17	5.69
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	17	5.69
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	17	5.69
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	17	5.69
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	17	5.69
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	17	5.69
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	17	5.69
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	17	5.69
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	17	5.69
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	15	5.69
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	15	5.69
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	15	5.69
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	1	5.68
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	1	5.68
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	1	5.68
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	1	5.68
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	1	5.68
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	1	5.68
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	1	5.68
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	1	5.68
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	1	5.68
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	5	5.68
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	5	5.68
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	5	5.68
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	5	5.68
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	5	5.68
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	5	5.68
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	5	5.68
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	5	5.68
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	5	5.68
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	2	5.68
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	2	5.68
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	2	5.68
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	2	5.68
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	2	5.68
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	2	5.68
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	2	5.68
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	2	5.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	2	5.68
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	19	5.67
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	19	5.67
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	19	5.67
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	19	5.67
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	19	5.67
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	19	5.67
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	19	5.67
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	19	5.67
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	19	5.67
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	6	5.66
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	6	5.66
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	6	5.66
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	6	5.66
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	6	5.66
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	6	5.66
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	6	5.66
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	6	5.66
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	6	5.66
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	8	5.66
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	8	5.66
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	8	5.66
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	8	5.66
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	8	5.66
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	8	5.66
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	8	5.66
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	8	5.66
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	8	5.66
(1,7724)	1:100:A:VAL:HG11	1:74:A:THR:HA	6	5.64
(1,7724)	1:100:A:VAL:HG12	1:74:A:THR:HA	6	5.64
(1,7724)	1:100:A:VAL:HG13	1:74:A:THR:HA	6	5.64
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	18	5.64
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	18	5.64
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	18	5.64
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	18	5.64
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	18	5.64
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	18	5.64
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	18	5.64
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	18	5.64
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	18	5.64
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	5	5.64
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	5	5.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	5	5.64
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	5	5.64
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	5	5.64
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	5	5.64
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	5	5.64
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	5	5.64
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	5	5.64
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	11	5.64
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	11	5.64
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	11	5.64
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	2	5.63
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	2	5.63
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	2	5.63
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	2	5.63
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	2	5.63
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	2	5.63
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	2	5.63
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	2	5.63
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	2	5.63
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	10	5.63
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	10	5.63
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	10	5.63
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	10	5.63
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	10	5.63
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	10	5.63
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	10	5.63
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	10	5.63
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	10	5.63
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	20	5.62
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	20	5.62
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	20	5.62
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	20	5.62
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	20	5.62
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	20	5.62
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	20	5.62
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	20	5.62
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	20	5.62
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	11	5.62
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	11	5.62
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	11	5.62
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	11	5.62
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	11	5.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	11	5.62
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	11	5.62
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	11	5.62
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	11	5.62
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	15	5.62
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	15	5.62
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	15	5.62
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	15	5.62
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	15	5.62
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	15	5.62
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	15	5.62
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	15	5.62
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	15	5.62
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	3	5.61
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	3	5.61
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	3	5.61
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	3	5.61
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	3	5.61
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	3	5.61
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	3	5.61
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	3	5.61
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	3	5.61
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	14	5.61
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	14	5.61
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	14	5.61
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	14	5.61
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	14	5.61
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	14	5.61
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	14	5.61
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	14	5.61
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	14	5.61
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	9	5.6
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	9	5.6
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	9	5.6
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	9	5.6
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	9	5.6
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	9	5.6
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	9	5.6
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	9	5.6
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	9	5.6
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	9	5.6
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	9	5.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	9	5.6
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	9	5.6
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	9	5.6
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	9	5.6
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	9	5.6
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	9	5.6
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	9	5.6
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	2	5.59
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	2	5.59
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	2	5.59
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	2	5.59
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	2	5.59
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	2	5.59
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	2	5.59
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	2	5.59
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	2	5.59
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	13	5.58
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	13	5.58
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	13	5.58
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	13	5.58
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	13	5.58
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	13	5.58
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	13	5.58
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	13	5.58
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	13	5.58
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	2	5.57
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	2	5.57
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	4	5.57
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	4	5.57
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	4	5.57
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	4	5.57
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	4	5.57
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	4	5.57
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	4	5.57
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	4	5.57
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	4	5.57
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	20	5.57
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	20	5.57
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	20	5.57
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	20	5.57
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	20	5.57
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	20	5.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	20	5.57
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	20	5.57
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	20	5.57
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	6	5.56
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	6	5.56
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	6	5.56
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	6	5.56
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	6	5.56
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	6	5.56
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	6	5.56
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	6	5.56
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	6	5.56
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	16	5.56
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	16	5.56
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	16	5.56
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	16	5.56
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	16	5.56
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	16	5.56
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	16	5.56
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	16	5.56
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	16	5.56
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	1	5.51
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	1	5.51
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	1	5.51
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	1	5.51
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	1	5.51
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	1	5.51
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	1	5.51
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	1	5.51
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	1	5.51
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	12	5.5
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	12	5.5
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	12	5.5
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	12	5.5
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	12	5.5
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	12	5.5
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	12	5.5
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	12	5.5
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	12	5.5
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	13	5.5
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	13	5.5
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	13	5.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	13	5.5
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	13	5.5
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	13	5.5
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	13	5.5
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	13	5.5
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	13	5.5
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	14	5.49
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	14	5.49
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	14	5.49
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	14	5.49
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	14	5.49
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	14	5.49
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	14	5.49
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	14	5.49
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	14	5.49
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	12	5.48
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	12	5.48
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	12	5.48
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	12	5.48
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	12	5.48
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	12	5.48
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	12	5.48
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	12	5.48
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	12	5.48
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	12	5.48
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	12	5.48
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	12	5.48
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	12	5.48
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	12	5.48
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	12	5.48
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	12	5.48
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	12	5.48
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	12	5.48
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	18	5.48
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	18	5.48
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	18	5.48
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	18	5.48
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	18	5.48
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	18	5.48
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	18	5.48
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	18	5.48
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	18	5.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	6	5.46
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	6	5.46
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	18	5.46
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	18	5.46
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	1	5.45
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	1	5.45
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	4	5.44
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	4	5.44
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	10	5.44
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	10	5.44
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	13	5.44
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	13	5.44
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	15	5.44
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	15	5.44
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	15	5.44
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	15	5.44
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	15	5.44
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	15	5.44
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	15	5.44
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	15	5.44
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	15	5.44
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG21	14	5.44
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG22	14	5.44
(1,7559)	1:70:A:LEU:HD21	1:100:A:VAL:HG23	14	5.44
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG21	14	5.44
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG22	14	5.44
(1,7559)	1:70:A:LEU:HD22	1:100:A:VAL:HG23	14	5.44
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG21	14	5.44
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG22	14	5.44
(1,7559)	1:70:A:LEU:HD23	1:100:A:VAL:HG23	14	5.44
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	8	5.44
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	8	5.44
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	16	5.43
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	16	5.43
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	16	5.43
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	16	5.43
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	16	5.43
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	16	5.43
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	16	5.43
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	16	5.43
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	16	5.43
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	14	5.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	14	5.43
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	10	5.43
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	10	5.43
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	10	5.43
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	10	5.43
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	10	5.42
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	10	5.42
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG21	11	5.41
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG22	11	5.41
(1,7602)	1:77:A:LEU:HD11	1:38:A:VAL:HG23	11	5.41
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG21	11	5.41
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG22	11	5.41
(1,7602)	1:77:A:LEU:HD12	1:38:A:VAL:HG23	11	5.41
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG21	11	5.41
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG22	11	5.41
(1,7602)	1:77:A:LEU:HD13	1:38:A:VAL:HG23	11	5.41
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	13	5.41
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	13	5.41
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	13	5.41
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	13	5.41
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	13	5.41
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	13	5.41
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	13	5.41
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	13	5.41
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	13	5.41
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	1	5.41
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	1	5.41
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	3	5.4
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	3	5.4
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	8	5.4
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	8	5.4
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	4	5.4
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	4	5.4
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	14	5.4
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	14	5.4
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	14	5.4
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	14	5.4
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	7	5.39
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	7	5.39
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	20	5.39
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	20	5.39
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	3	5.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	3	5.39
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	3	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	3	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	3	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	3	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	3	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	3	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	3	5.39
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	5	5.39
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	5	5.39
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	5	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	5	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	5	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	5	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	5	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	5	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	5	5.39
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	7	5.39
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	7	5.39
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	7	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	7	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	7	5.39
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	7	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	7	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	7	5.39
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	7	5.39
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	12	5.38
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	12	5.38
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	15	5.38
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	15	5.38
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	15	5.37
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	15	5.37
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	17	5.36
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	17	5.36
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	17	5.36
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	17	5.36
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	14	5.35
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	14	5.35
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	9	5.35
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	9	5.35
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	9	5.35
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	9	5.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	9	5.35
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	9	5.35
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	9	5.35
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	9	5.35
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	9	5.35
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	20	5.35
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	20	5.35
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	20	5.35
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	20	5.35
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	20	5.35
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	20	5.35
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	20	5.35
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	20	5.35
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	20	5.35
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	2	5.35
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	2	5.35
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	16	5.34
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	16	5.34
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	8	5.33
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	8	5.33
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	8	5.33
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	8	5.33
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	8	5.33
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	8	5.33
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	8	5.33
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	8	5.33
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	8	5.33
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	17	5.33
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	17	5.33
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	17	5.33
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	17	5.33
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	17	5.33
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	17	5.33
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	17	5.33
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	17	5.33
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	17	5.33
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	15	5.33
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	15	5.33
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	15	5.33
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	15	5.33
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	20	5.33
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	20	5.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	20	5.33
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	20	5.33
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	12	5.32
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	12	5.32
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	11	5.31
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	11	5.31
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	20	5.3
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	20	5.3
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	20	5.3
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	1	5.29
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	1	5.29
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	1	5.29
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	1	5.29
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	4	5.29
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	4	5.29
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	4	5.29
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	4	5.29
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	19	5.28
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	19	5.28
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	7	5.28
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	7	5.28
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	2	5.28
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	2	5.28
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	2	5.28
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	2	5.28
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB2	5	5.27
(1,7666)	1:86:A:GLY:H	1:82:A:SER:HB3	5	5.27
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	17	5.26
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	17	5.26
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	17	5.26
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	16	5.25
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	16	5.25
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	16	5.25
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	5	5.23
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	5	5.23
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	5	5.23
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	7	5.22
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	7	5.22
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	7	5.22
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	19	5.21
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	19	5.21
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	19	5.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	8	5.21
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	8	5.21
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	8	5.21
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	8	5.21
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	3	5.2
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	3	5.2
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	3	5.2
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	3	5.2
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	15	5.19
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	15	5.19
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	15	5.19
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	16	5.19
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	16	5.19
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	16	5.19
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	16	5.19
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	4	5.18
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	4	5.18
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	4	5.18
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	8	5.18
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	8	5.18
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	8	5.18
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	12	5.14
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	12	5.14
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	12	5.14
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	10	5.14
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	10	5.14
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	10	5.14
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	9	5.14
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	9	5.14
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	12	5.13
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	12	5.13
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	12	5.13
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	11	5.13
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	11	5.13
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	11	5.13
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	15	5.11
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	15	5.11
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	15	5.11
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	9	5.11
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	9	5.11
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	9	5.11
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	19	5.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	19	5.11
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	13	5.09
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	13	5.09
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	2	5.08
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	2	5.08
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	2	5.08
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	5	5.08
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	5	5.08
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	14	5.07
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	14	5.07
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	14	5.07
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	6	5.06
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	6	5.06
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	6	5.06
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	10	5.06
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	10	5.06
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	10	5.06
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	11	5.06
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	11	5.06
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	20	5.05
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	20	5.05
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	20	5.05
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	5	5.04
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	5	5.04
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	5	5.04
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	6	5.03
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	6	5.03
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG11	6	5.02
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG12	6	5.02
(1,7587)	1:74:A:THR:HG21	1:100:A:VAL:HG13	6	5.02
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG11	6	5.02
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG12	6	5.02
(1,7587)	1:74:A:THR:HG22	1:100:A:VAL:HG13	6	5.02
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG11	6	5.02
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG12	6	5.02
(1,7587)	1:74:A:THR:HG23	1:100:A:VAL:HG13	6	5.02
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	1	5.02
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	1	5.02
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	1	5.02
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	7	5.02
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	7	5.02
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	7	5.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	7	5.02
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	17	5.02
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	17	5.02
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	17	5.02
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	17	5.02
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	13	5.01
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	13	5.01
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	13	5.01
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	12	5.01
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	12	5.01
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	12	5.01
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	12	5.01
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	14	5.0
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	14	5.0
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	14	5.0
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	6	5.0
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	6	5.0
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	6	5.0
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	13	4.99
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	13	4.99
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	13	4.99
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	19	4.98
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	19	4.98
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	19	4.98
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	3	4.97
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	3	4.97
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	3	4.97
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	9	4.97
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	9	4.97
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	9	4.97
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	11	4.97
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	11	4.97
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	11	4.97
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	16	4.97
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	16	4.97
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	16	4.97
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	6	4.97
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	6	4.97
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	6	4.97
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	6	4.97
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	3	4.96
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	3	4.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	3	4.96
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	18	4.96
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	18	4.96
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	18	4.96
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	1	4.95
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	1	4.95
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	1	4.95
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	8	4.95
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	8	4.95
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	8	4.95
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	13	4.95
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	13	4.95
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	13	4.95
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	13	4.95
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	4	4.94
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	4	4.94
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	4	4.94
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	7	4.94
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	7	4.94
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	7	4.94
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	17	4.93
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	17	4.93
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	17	4.93
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD21	2	4.91
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD22	2	4.91
(1,7522)	1:33:A:VAL:HB	1:85:A:LEU:HD23	2	4.91
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	10	4.89
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	5	4.86
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	5	4.86
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	5	4.86
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	5	4.86
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	19	4.85
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	19	4.85
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	19	4.85
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	19	4.85
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	4	4.82
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	4	4.82
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	4	4.82
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	4	4.82
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	4	4.82
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	4	4.82
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	9	4.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	9	4.81
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	9	4.81
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	9	4.81
(1,7633)	1:79:A:LEU:HD11	1:85:A:LEU:HA	18	4.8
(1,7633)	1:79:A:LEU:HD12	1:85:A:LEU:HA	18	4.8
(1,7633)	1:79:A:LEU:HD13	1:85:A:LEU:HA	18	4.8
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	7	4.79
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	15	4.79
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	11	4.76
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	11	4.76
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	11	4.76
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	11	4.76
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB2	18	4.76
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB2	18	4.76
(1,7443)	1:3:A:PHE:HE1	1:108:A:LEU:HB3	18	4.76
(1,7443)	1:3:A:PHE:HE2	1:108:A:LEU:HB3	18	4.76
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	6	4.75
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	6	4.75
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	6	4.75
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	16	4.75
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	16	4.75
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	16	4.75
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	16	4.75
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	16	4.75
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	16	4.75
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	7	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	7	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	7	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	7	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	7	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	7	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	10	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	10	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	10	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	10	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	10	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	10	4.74
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	20	4.74
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	20	4.74
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	20	4.74
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	20	4.74
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	1	4.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	1	4.73
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	1	4.73
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	1	4.73
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	1	4.73
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	1	4.73
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	8	4.72
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	8	4.72
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	8	4.72
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	8	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	8	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	8	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	8	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	8	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	8	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	19	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	19	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	19	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	19	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	19	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	19	4.71
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	16	4.71
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	16	4.71
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	16	4.71
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	16	4.71
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	5	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	5	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	5	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	5	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	5	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	5	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	17	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	17	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	17	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	17	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	17	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	17	4.7
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	7	4.7
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	7	4.7
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	7	4.7
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	3	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	3	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	3	4.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	3	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	3	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	3	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	18	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	18	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	18	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	18	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	18	4.69
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	18	4.69
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	13	4.69
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	13	4.69
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	13	4.69
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	20	4.69
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	20	4.69
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	4	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	4	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	4	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	5	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	5	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	5	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	10	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	10	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	10	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	20	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	20	4.68
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	20	4.68
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	2	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	2	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	2	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	2	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	2	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	2	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	20	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	20	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	20	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	20	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	20	4.67
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	20	4.67
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	6	4.67
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	6	4.67
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	6	4.67
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	10	4.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	10	4.66
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	10	4.66
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	19	4.66
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	19	4.66
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	19	4.66
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	2	4.66
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	2	4.66
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	2	4.66
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	14	4.65
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	14	4.65
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	14	4.65
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	9	4.65
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	9	4.65
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	9	4.65
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	8	4.64
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	8	4.64
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	8	4.64
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	14	4.64
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	14	4.64
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	14	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	12	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	12	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	12	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	14	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	14	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	14	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	19	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	19	4.64
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	19	4.64
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	16	4.64
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	16	4.64
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	16	4.63
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	16	4.63
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	16	4.63
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	20	4.63
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	20	4.63
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	20	4.63
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	4	4.63
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	4	4.63
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	4	4.63
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	4	4.63
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	4	4.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	4	4.63
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	17	4.63
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	17	4.63
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	17	4.63
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	17	4.62
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	17	4.62
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	17	4.62
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	5	4.62
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	5	4.62
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	5	4.62
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	13	4.62
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	13	4.62
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	13	4.62
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	13	4.62
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	13	4.62
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	13	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	3	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	3	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	3	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	9	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	9	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	9	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	17	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	17	4.62
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	17	4.62
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	18	4.61
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	18	4.61
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	18	4.61
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	18	4.61
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	18	4.61
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	18	4.61
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	13	4.6
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	13	4.6
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	13	4.6
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	10	4.6
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	10	4.6
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	10	4.6
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	9	4.6
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	9	4.6
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	9	4.6
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	9	4.6
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	9	4.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	9	4.6
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	1	4.6
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	1	4.6
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	1	4.6
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	16	4.6
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	16	4.6
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	16	4.6
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	5	4.59
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	5	4.59
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	5	4.59
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	6	4.59
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	6	4.59
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	6	4.59
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	20	4.59
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	20	4.59
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	20	4.59
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	14	4.59
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	14	4.59
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	14	4.59
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	14	4.59
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	14	4.59
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	14	4.59
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	3	4.59
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	3	4.59
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	3	4.59
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	3	4.59
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	2	4.58
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	2	4.58
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	2	4.58
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	16	4.58
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	16	4.58
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	16	4.58
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	16	4.58
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	16	4.58
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	16	4.58
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	7	4.58
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	7	4.58
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	7	4.58
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	3	4.58
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	3	4.58
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	9	4.57
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	9	4.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	9	4.57
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	1	4.57
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	1	4.57
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	1	4.57
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	1	4.57
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	1	4.57
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	1	4.57
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	8	4.57
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	8	4.57
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	8	4.57
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	7	4.56
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	7	4.56
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	7	4.56
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	6	4.56
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	6	4.56
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	6	4.56
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	6	4.56
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	6	4.56
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	6	4.56
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	1	4.55
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	1	4.55
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	1	4.55
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	15	4.55
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	15	4.55
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	15	4.55
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	13	4.55
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	13	4.55
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	13	4.55
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	12	4.55
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	12	4.55
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	12	4.55
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	12	4.55
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	12	4.55
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	12	4.55
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	6	4.55
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	6	4.55
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	6	4.55
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	14	4.55
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	14	4.55
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	14	4.55
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD21	18	4.55
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD22	18	4.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7521)	1:33:A:VAL:HB	1:77:A:LEU:HD23	18	4.55
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	12	4.54
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	12	4.54
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	12	4.54
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	16	4.54
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	16	4.54
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	16	4.54
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	19	4.54
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	19	4.54
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	19	4.54
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	19	4.54
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	19	4.54
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	19	4.54
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	18	4.53
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	18	4.53
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	18	4.53
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	18	4.52
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	18	4.52
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	18	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	7	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	7	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	7	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	7	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	7	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	7	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	8	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	8	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	8	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	8	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	8	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	8	4.52
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	2	4.52
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	2	4.52
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	2	4.52
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	16	4.52
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	16	4.52
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	16	4.52
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	8	4.52
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	8	4.52
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	8	4.52
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	17	4.51
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	17	4.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	17	4.51
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	17	4.51
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	17	4.51
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	17	4.51
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	1	4.51
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	1	4.51
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	1	4.51
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	4	4.5
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	4	4.5
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	4	4.5
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	10	4.5
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	10	4.5
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	10	4.5
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	10	4.5
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	10	4.5
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	10	4.5
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	8	4.5
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	8	4.5
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	8	4.5
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	19	4.49
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	19	4.49
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	19	4.49
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	19	4.49
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	19	4.49
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	19	4.49
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	4	4.49
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	4	4.49
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	4	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	1	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	1	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	1	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	2	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	2	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	2	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	10	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	10	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	10	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	17	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	17	4.49
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	17	4.49
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	4	4.49
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	3	4.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	3	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	3	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	3	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	3	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	3	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	5	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	5	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	5	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	5	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	5	4.48
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	5	4.48
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	11	4.48
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	11	4.48
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	11	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	9	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	9	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	9	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	13	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	13	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	13	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	18	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	18	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	18	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	20	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	20	4.48
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	20	4.48
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	11	4.47
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	11	4.47
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	11	4.47
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	6	4.47
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	6	4.47
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	6	4.47
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	6	4.47
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	6	4.47
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	6	4.47
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	6	4.47
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	6	4.47
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	6	4.47
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	12	4.47
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	12	4.47
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	12	4.47
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	19	4.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	15	4.46
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	15	4.46
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	15	4.46
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	7	4.46
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	7	4.46
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	7	4.46
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	15	4.46
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	15	4.46
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	15	4.46
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	11	4.46
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	20	4.45
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	20	4.45
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	20	4.45
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	20	4.45
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	20	4.45
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	20	4.45
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	9	4.45
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	9	4.45
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	9	4.45
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	15	4.44
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	15	4.44
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	15	4.44
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	15	4.44
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	15	4.44
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	15	4.44
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	12	4.44
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	12	4.44
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	12	4.44
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	14	4.44
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	14	4.44
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	14	4.44
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	10	4.44
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	10	4.44
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	10	4.44
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	10	4.44
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	10	4.44
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	10	4.44
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	5	4.43
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	5	4.43
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	5	4.43
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	11	4.43
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	11	4.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	11	4.43
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	17	4.43
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	17	4.43
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	17	4.43
(1,7709)	1:96:A:THR:HG21	1:77:A:LEU:HG	3	4.42
(1,7709)	1:96:A:THR:HG22	1:77:A:LEU:HG	3	4.42
(1,7709)	1:96:A:THR:HG23	1:77:A:LEU:HG	3	4.42
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	2	4.42
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	2	4.42
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	2	4.42
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	2	4.42
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	2	4.42
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	2	4.42
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	5	4.42
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	5	4.42
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	5	4.42
(1,7603)	1:77:A:LEU:HD11	1:43:A:PHE:HZ	3	4.41
(1,7603)	1:77:A:LEU:HD12	1:43:A:PHE:HZ	3	4.41
(1,7603)	1:77:A:LEU:HD13	1:43:A:PHE:HZ	3	4.41
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	4	4.41
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	4	4.41
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	4	4.41
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	20	4.41
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	20	4.41
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	20	4.41
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	20	4.41
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	20	4.41
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	20	4.41
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	9	4.4
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	9	4.4
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	9	4.4
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	9	4.4
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	9	4.4
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	9	4.4
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG11	11	4.4
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG12	11	4.4
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG13	11	4.4
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG21	11	4.4
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG22	11	4.4
(1,7600)	1:77:A:LEU:HB3	1:33:A:VAL:HG23	11	4.4
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	10	4.4
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	10	4.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	10	4.4
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG21	3	4.39
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG22	3	4.39
(1,7595)	1:77:A:LEU:H	1:96:A:THR:HG23	3	4.39
(1,7541)	1:62:A:ASN:HD22	1:2:A:SER:HA	3	4.39
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	6	4.39
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	6	4.39
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	6	4.39
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	20	4.39
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	20	4.39
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	20	4.39
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	7	4.38
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	7	4.38
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	7	4.38
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	14	4.38
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	14	4.38
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	14	4.38
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	14	4.38
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	14	4.38
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	14	4.38
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	10	4.37
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	10	4.37
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	10	4.37
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	10	4.37
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	10	4.37
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	10	4.37
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	10	4.37
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	10	4.37
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	10	4.37
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	14	4.36
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	14	4.36
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	14	4.36
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	14	4.36
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	14	4.36
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	14	4.36
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	2	4.36
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	2	4.36
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	2	4.36
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	2	4.36
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	2	4.36
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	2	4.36
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	13	4.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	13	4.35
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	13	4.35
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	13	4.35
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	13	4.35
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	13	4.35
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	13	4.35
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	13	4.35
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	13	4.35
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	4	4.35
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	4	4.35
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	4	4.35
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	4	4.35
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	4	4.35
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	4	4.35
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	15	4.35
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	15	4.35
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	15	4.35
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	15	4.35
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	15	4.35
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	15	4.35
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	8	4.34
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	8	4.34
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	8	4.34
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	8	4.34
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	8	4.34
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	8	4.34
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	8	4.34
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	8	4.34
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	8	4.34
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	19	4.34
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	19	4.34
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	19	4.34
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	19	4.34
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	19	4.34
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	19	4.34
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	19	4.34
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	19	4.34
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	19	4.34
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	16	4.34
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	16	4.34
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	16	4.34
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	19	4.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	19	4.34
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	19	4.34
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	1	4.34
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	1	4.34
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	1	4.34
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	1	4.34
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	1	4.34
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	1	4.34
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	14	4.33
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	14	4.33
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	14	4.33
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	14	4.33
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	14	4.33
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	14	4.33
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	14	4.33
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	14	4.33
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	14	4.33
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	20	4.33
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	20	4.33
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	20	4.33
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	20	4.33
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	20	4.33
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	20	4.33
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	20	4.33
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	20	4.33
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	20	4.33
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	18	4.33
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	18	4.33
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	18	4.33
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	12	4.32
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	12	4.32
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	12	4.32
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	12	4.32
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	12	4.32
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	12	4.32
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	5	4.32
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	5	4.32
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	5	4.32
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	5	4.32
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	5	4.32
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	5	4.32
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	5	4.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	5	4.32
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	5	4.32
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	2	4.32
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	2	4.32
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	2	4.32
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	16	4.31
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	16	4.31
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	16	4.31
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	16	4.31
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	16	4.31
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	16	4.31
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	16	4.31
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	16	4.31
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	16	4.31
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	17	4.31
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	17	4.31
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	17	4.31
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	17	4.31
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	17	4.31
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	17	4.31
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	17	4.31
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	17	4.31
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	17	4.31
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	1	4.31
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	1	4.31
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	1	4.31
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	16	4.3
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	16	4.3
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	16	4.3
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	16	4.3
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	16	4.3
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	16	4.3
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	13	4.29
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	13	4.29
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	13	4.29
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	13	4.29
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	13	4.29
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	13	4.29
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	13	4.29
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	13	4.29
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	13	4.29
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	19	4.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	19	4.29
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	19	4.29
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	4	4.29
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	4	4.29
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	4	4.29
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	8	4.29
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	8	4.29
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	8	4.29
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	8	4.29
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	8	4.29
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	8	4.29
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	6	4.28
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	6	4.28
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	6	4.28
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	6	4.28
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	6	4.28
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	6	4.28
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	11	4.28
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	11	4.28
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	11	4.28
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	18	4.28
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	18	4.28
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	18	4.28
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	18	4.28
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	2	4.27
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	2	4.27
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	2	4.27
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	2	4.27
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	2	4.27
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	2	4.27
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	2	4.27
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	2	4.27
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	2	4.27
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	12	4.27
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	12	4.27
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	12	4.27
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	7	4.26
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	7	4.26
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	7	4.26
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	7	4.26
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	7	4.26
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	7	4.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	7	4.26
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	7	4.26
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	7	4.26
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	9	4.26
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	9	4.26
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	9	4.26
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	9	4.26
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	9	4.26
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	9	4.26
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	9	4.26
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	9	4.26
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	9	4.26
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	1	4.26
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	1	4.26
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	1	4.26
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	15	4.26
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	15	4.26
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	15	4.26
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	15	4.24
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	15	4.24
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	15	4.24
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	15	4.24
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	15	4.24
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	15	4.24
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	2	4.24
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	2	4.24
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	2	4.24
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	12	4.23
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	12	4.23
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	12	4.23
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	12	4.23
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	12	4.23
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	12	4.23
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	12	4.23
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	12	4.23
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	12	4.23
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	15	4.23
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	15	4.23
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	15	4.23
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	15	4.23
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	15	4.23
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	15	4.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	15	4.23
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	15	4.23
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	15	4.23
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	15	4.23
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	15	4.23
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	15	4.23
(1,7448)	1:3:A:PHE:HE1	1:65:A:LYS:HG2	18	4.23
(1,7448)	1:3:A:PHE:HE2	1:65:A:LYS:HG2	18	4.23
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	11	4.22
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	11	4.22
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	11	4.22
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	17	4.21
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	17	4.21
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	17	4.21
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	17	4.21
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	17	4.21
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	17	4.21
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	11	4.21
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	11	4.21
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	11	4.21
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD11	3	4.21
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD12	3	4.21
(1,7536)	1:43:A:PHE:HZ	1:77:A:LEU:HD13	3	4.21
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	5	4.2
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	5	4.2
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	5	4.2
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	1	4.2
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	1	4.2
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	1	4.2
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	1	4.2
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	1	4.2
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	1	4.2
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	1	4.2
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	1	4.2
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	1	4.2
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	4	4.19
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	4	4.19
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	4	4.19
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	4	4.19
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	4	4.19
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	4	4.19
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	4	4.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	4	4.19
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	4	4.19
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	10	4.19
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	10	4.19
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	10	4.19
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	18	4.19
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	18	4.19
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	18	4.19
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	11	4.18
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	11	4.18
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	11	4.18
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	11	4.18
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	11	4.18
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	11	4.18
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	14	4.18
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	14	4.18
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	14	4.18
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	18	4.17
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	18	4.17
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	18	4.17
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	18	4.17
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	18	4.17
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	18	4.17
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	18	4.17
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	18	4.17
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	18	4.17
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	12	4.17
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	12	4.17
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	12	4.17
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	4	4.16
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	4	4.16
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	4	4.16
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	3	4.16
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	3	4.16
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	3	4.16
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	7	4.15
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	7	4.15
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	7	4.15
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	7	4.15
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	7	4.15
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	7	4.15
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	10	4.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	10	4.15
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	10	4.15
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	10	4.15
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	10	4.15
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	10	4.15
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	16	4.15
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	16	4.15
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	16	4.15
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	3	4.15
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	3	4.15
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	3	4.15
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	3	4.15
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	3	4.15
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	3	4.15
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	10	4.14
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	10	4.14
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	10	4.14
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	10	4.14
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	10	4.14
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	10	4.14
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	10	4.14
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	10	4.14
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	10	4.14
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	11	4.14
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	11	4.14
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	11	4.14
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	11	4.14
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	11	4.14
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	11	4.14
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	11	4.14
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	11	4.14
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	11	4.14
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	7	4.13
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	7	4.13
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	7	4.13
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	9	4.13
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	9	4.13
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	9	4.13
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	7	4.13
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	7	4.13
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	7	4.13
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	3	4.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	3	4.12
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	3	4.12
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	19	4.12
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	19	4.12
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	19	4.12
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	19	4.11
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	19	4.11
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	19	4.11
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	19	4.11
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	19	4.11
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	19	4.11
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	19	4.11
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	19	4.11
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	19	4.11
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	6	4.11
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	6	4.11
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	6	4.11
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	10	4.11
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	10	4.11
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	10	4.11
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	15	4.11
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	15	4.11
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	15	4.11
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	4	4.11
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	4	4.11
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	4	4.11
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	12	4.11
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	12	4.11
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	12	4.11
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	12	4.11
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	1	4.1
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	1	4.1
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	1	4.1
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG21	3	4.1
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG22	3	4.1
(1,7606)	1:77:A:LEU:HD11	1:96:A:THR:HG23	3	4.1
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG21	3	4.1
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG22	3	4.1
(1,7606)	1:77:A:LEU:HD12	1:96:A:THR:HG23	3	4.1
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG21	3	4.1
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG22	3	4.1
(1,7606)	1:77:A:LEU:HD13	1:96:A:THR:HG23	3	4.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	4	4.1
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	4	4.1
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	4	4.1
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	4	4.1
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	4	4.1
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	4	4.1
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	19	4.1
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	19	4.1
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	19	4.1
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	19	4.1
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	19	4.1
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	19	4.1
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	13	4.1
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	13	4.1
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	13	4.1
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	13	4.09
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	13	4.09
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	13	4.09
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	8	4.08
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	8	4.08
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	8	4.08
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	8	4.08
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	8	4.08
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	8	4.08
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	16	4.08
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	16	4.08
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	16	4.08
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	16	4.08
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	16	4.08
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	16	4.08
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	18	4.08
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	18	4.08
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	18	4.08
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	18	4.08
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	18	4.08
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	18	4.08
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	9	4.08
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	9	4.08
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	9	4.08
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	14	4.07
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	14	4.07
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	14	4.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	18	4.07
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	18	4.07
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	18	4.07
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	1	4.07
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	1	4.07
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	1	4.07
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	1	4.07
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	1	4.07
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	1	4.07
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	12	4.06
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	12	4.06
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	12	4.06
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	2	4.06
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	2	4.06
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	2	4.06
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	2	4.06
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	2	4.06
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	2	4.06
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	11	4.06
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	11	4.06
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	11	4.06
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	11	4.06
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	11	4.06
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	11	4.06
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	5	4.06
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	5	4.06
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	5	4.06
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	17	4.06
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	17	4.06
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	17	4.06
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	17	4.06
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	2	4.05
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	2	4.05
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	2	4.05
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	7	4.04
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	7	4.04
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	7	4.04
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	7	4.04
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	17	4.04
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	17	4.04
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	17	4.04
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	17	4.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	17	4.04
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	17	4.04
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	3	4.03
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	3	4.03
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	3	4.03
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	3	4.03
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	3	4.03
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	3	4.03
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	15	4.03
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	15	4.03
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	15	4.03
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	15	4.03
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	15	4.03
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	15	4.03
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	16	4.03
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	16	4.03
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	20	4.03
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	20	4.03
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	17	4.02
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	17	4.02
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	17	4.02
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	8	4.01
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	8	4.01
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	8	4.01
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	8	4.01
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	8	4.01
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	8	4.01
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	8	4.01
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	8	4.01
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	8	4.01
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	17	4.01
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	17	4.01
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	17	4.01
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	17	4.01
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	17	4.01
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	17	4.01
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	8	4.01
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	8	4.01
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	8	4.01
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	8	4.01
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	9	4.0
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	9	4.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	9	4.0
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	9	4.0
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	9	4.0
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	9	4.0
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	10	4.0
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	10	4.0
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	14	4.0
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	14	4.0
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	14	3.99
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	14	3.99
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	14	3.99
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	14	3.99
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	14	3.99
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	14	3.99
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	14	3.99
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	14	3.99
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	14	3.99
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	14	3.99
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	14	3.99
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	14	3.99
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	14	3.99
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	14	3.99
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	14	3.99
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	16	3.99
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	16	3.99
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	16	3.99
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	20	3.99
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	20	3.99
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	20	3.99
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	2	3.98
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	2	3.98
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	2	3.98
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	2	3.98
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	2	3.98
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	2	3.98
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	2	3.98
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	2	3.98
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	2	3.98
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	1	3.98
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	1	3.98
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	1	3.98
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	2	3.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	2	3.98
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	2	3.98
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	7	3.98
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	7	3.98
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	7	3.98
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	7	3.98
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	7	3.98
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	7	3.98
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	7	3.98
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	7	3.98
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	7	3.98
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	7	3.98
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	7	3.98
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	7	3.98
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	7	3.98
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	7	3.98
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	7	3.98
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	7	3.98
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	7	3.98
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	7	3.98
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	7	3.98
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	7	3.98
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	7	3.98
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	7	3.98
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	7	3.98
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	7	3.98
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	7	3.98
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	7	3.98
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	7	3.98
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	1	3.98
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	1	3.98
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	4	3.98
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	4	3.98
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	8	3.98
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	8	3.98
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	15	3.97
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	15	3.97
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	15	3.97
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	15	3.97
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	15	3.97
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	15	3.97
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	15	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	15	3.97
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	15	3.97
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	5	3.97
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	5	3.97
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	5	3.97
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	5	3.97
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	5	3.97
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	5	3.97
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	20	3.97
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	20	3.97
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	20	3.97
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	20	3.97
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	20	3.97
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	20	3.97
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	4	3.97
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	4	3.97
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	4	3.97
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	15	3.97
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	15	3.97
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	4	3.96
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	4	3.96
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	4	3.96
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	4	3.96
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	4	3.96
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	4	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	4	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	4	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	4	3.96
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	5	3.96
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	5	3.96
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	5	3.96
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	5	3.96
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	5	3.96
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	5	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	5	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	5	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	5	3.96
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	11	3.96
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	11	3.96
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	11	3.96
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	11	3.96
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	11	3.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	11	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	11	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	11	3.96
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	11	3.96
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	10	3.96
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	10	3.96
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	10	3.96
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	10	3.96
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	10	3.96
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	10	3.96
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	10	3.96
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	10	3.96
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	10	3.96
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	10	3.96
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	10	3.96
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	10	3.96
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	10	3.96
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	10	3.96
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	10	3.96
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	10	3.96
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	10	3.96
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	10	3.96
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	10	3.96
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	10	3.96
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	10	3.96
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	10	3.96
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	10	3.96
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	10	3.96
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	10	3.96
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	10	3.96
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	10	3.96
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	9	3.96
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	9	3.96
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	9	3.96
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	9	3.96
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	14	3.96
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	14	3.96
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	14	3.96
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	14	3.96
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	2	3.96
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	2	3.96
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	7	3.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	7	3.95
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	7	3.95
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	7	3.95
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	7	3.95
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	7	3.95
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	10	3.95
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	10	3.95
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	10	3.95
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	10	3.95
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	10	3.95
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	10	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	4	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	4	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	4	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	4	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	4	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	4	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	4	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	4	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	4	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	4	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	4	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	4	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	4	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	4	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	4	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	4	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	4	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	4	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	4	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	4	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	4	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	4	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	4	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	4	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	4	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	4	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	4	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	5	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	5	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	5	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	5	3.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	5	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	5	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	5	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	5	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	5	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	5	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	5	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	5	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	5	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	5	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	5	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	5	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	5	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	5	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	5	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	5	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	5	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	5	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	5	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	5	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	5	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	5	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	5	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	8	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	8	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	8	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	8	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	8	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	8	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	8	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	8	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	8	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	8	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	8	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	8	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	8	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	8	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	8	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	8	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	8	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	8	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	8	3.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	8	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	8	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	8	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	8	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	8	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	8	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	8	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	8	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	17	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	17	3.95
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	17	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	17	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	17	3.95
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	17	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	17	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	17	3.95
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	17	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	17	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	17	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	17	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	17	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	17	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	17	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	17	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	17	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	17	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	17	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	17	3.95
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	17	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	17	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	17	3.95
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	17	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	17	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	17	3.95
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	17	3.95
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	7	3.95
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	7	3.95
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	7	3.95
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	7	3.95
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	7	3.95
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	7	3.95
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	6	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	6	3.94
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	6	3.94
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	6	3.94
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	6	3.94
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	6	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	7	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	7	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	7	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	10	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	10	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	10	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	20	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	20	3.94
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	20	3.94
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	19	3.94
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	19	3.94
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	19	3.94
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	19	3.94
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	19	3.94
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	19	3.94
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	16	3.94
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	16	3.94
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	16	3.94
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	16	3.94
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	16	3.94
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	16	3.94
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	16	3.94
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	16	3.94
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	16	3.94
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	16	3.94
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	16	3.94
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	16	3.94
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	16	3.94
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	16	3.94
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	16	3.94
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	16	3.94
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	16	3.94
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	16	3.94
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	16	3.94
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	16	3.94
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	16	3.94
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	16	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	16	3.94
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	16	3.94
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	16	3.94
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	16	3.94
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	16	3.94
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	6	3.94
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	6	3.94
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	6	3.94
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	6	3.94
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	6	3.94
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	6	3.94
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	11	3.93
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	11	3.93
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	11	3.93
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	11	3.93
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	11	3.93
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	11	3.93
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	3	3.93
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	3	3.93
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	3	3.93
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	13	3.93
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	13	3.93
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	13	3.93
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	15	3.93
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	15	3.93
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	15	3.93
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	15	3.93
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	15	3.93
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	15	3.93
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	8	3.93
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	8	3.93
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	8	3.93
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	4	3.93
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	4	3.93
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	4	3.93
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	4	3.93
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	14	3.92
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	14	3.92
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	14	3.92
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	1	3.92
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	1	3.92
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	1	3.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	1	3.92
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	10	3.92
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	10	3.92
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	10	3.92
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	10	3.92
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	13	3.91
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	13	3.91
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	13	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	13	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	13	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	13	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	13	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	13	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	13	3.91
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	17	3.91
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	17	3.91
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	17	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	17	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	17	3.91
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	17	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	17	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	17	3.91
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	17	3.91
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	13	3.91
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	13	3.91
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	13	3.91
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	13	3.91
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	13	3.91
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	13	3.91
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	6	3.91
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	6	3.91
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	6	3.91
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	12	3.91
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	12	3.91
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	12	3.91
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	5	3.91
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	5	3.91
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	5	3.91
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	5	3.91
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	15	3.91
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	15	3.91
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	15	3.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	15	3.91
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	4	3.9
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	4	3.9
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	4	3.9
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	4	3.9
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	4	3.9
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	4	3.9
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	19	3.9
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	19	3.9
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	19	3.9
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	19	3.9
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	19	3.9
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	19	3.9
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	1	3.9
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	1	3.9
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	1	3.9
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	1	3.9
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	1	3.9
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	1	3.9
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	1	3.9
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	1	3.9
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	1	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	1	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	1	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	1	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	1	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	1	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	1	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	1	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	1	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	1	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	1	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	1	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	1	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	1	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	1	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	1	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	1	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	1	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	1	3.9
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	19	3.9
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	19	3.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	19	3.9
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	19	3.9
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	19	3.9
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	19	3.9
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	19	3.9
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	19	3.9
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	19	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	19	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	19	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	19	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	19	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	19	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	19	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	19	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	19	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	19	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	19	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	19	3.9
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	19	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	19	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	19	3.9
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	19	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	19	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	19	3.9
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	19	3.9
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	11	3.9
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	11	3.9
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	11	3.9
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	11	3.9
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	7	3.89
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	7	3.89
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	7	3.89
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	7	3.89
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	7	3.89
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	7	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	7	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	7	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	7	3.89
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	16	3.89
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	16	3.89
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	16	3.89
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	16	3.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	16	3.89
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	16	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	16	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	16	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	16	3.89
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	20	3.89
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	20	3.89
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	20	3.89
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	20	3.89
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	20	3.89
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	20	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	20	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	20	3.89
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	20	3.89
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG11	15	3.89
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG12	15	3.89
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG13	15	3.89
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG21	15	3.89
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG22	15	3.89
(1,7646)	1:81:A:SER:H	1:33:A:VAL:HG23	15	3.89
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	5	3.89
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	5	3.89
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	5	3.89
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	19	3.89
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	19	3.89
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	19	3.89
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	10	3.89
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	10	3.89
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	10	3.89
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	10	3.89
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	10	3.89
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	10	3.89
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	18	3.89
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	18	3.89
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	18	3.89
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	18	3.89
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	18	3.89
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	18	3.89
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	18	3.89
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	18	3.89
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	18	3.89
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	18	3.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	18	3.89
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	18	3.89
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	18	3.89
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	18	3.89
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	18	3.89
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	18	3.89
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	18	3.89
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	18	3.89
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	18	3.89
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	18	3.89
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	18	3.89
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	18	3.89
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	18	3.89
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	18	3.89
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	18	3.89
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	18	3.89
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	18	3.89
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	13	3.89
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	13	3.89
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	13	3.89
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	13	3.89
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	19	3.89
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	19	3.89
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	19	3.89
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	19	3.89
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	16	3.88
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	16	3.88
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	16	3.88
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	20	3.88
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	20	3.88
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	20	3.88
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	18	3.88
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	18	3.88
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	18	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	2	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	2	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	2	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	2	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	2	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	2	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	11	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	11	3.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	11	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	11	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	11	3.88
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	11	3.88
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG21	6	3.88
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG22	6	3.88
(1,7562)	1:73:A:LEU:H	1:100:A:VAL:HG23	6	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	8	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	8	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	8	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	8	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	8	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	8	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	16	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	16	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	16	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	16	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	16	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	16	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	18	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	18	3.88
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	18	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	18	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	18	3.88
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	18	3.88
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	20	3.88
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	20	3.88
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	20	3.88
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	20	3.88
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	20	3.88
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	20	3.88
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	20	3.88
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	20	3.88
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	20	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	20	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	20	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	20	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	20	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	20	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	20	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	20	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	20	3.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	20	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	20	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	20	3.88
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	20	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	20	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	20	3.88
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	20	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	20	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	20	3.88
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	20	3.88
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	1	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	1	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	1	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	1	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	1	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	1	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	1	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	1	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	1	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	9	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	9	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	9	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	9	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	9	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	9	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	9	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	9	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	9	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	18	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	18	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	18	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	18	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	18	3.87
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	18	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	18	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	18	3.87
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	18	3.87
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	8	3.87
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	8	3.87
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	8	3.87
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	8	3.87
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	8	3.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	8	3.87
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	1	3.87
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	1	3.87
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	1	3.87
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	1	3.87
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	1	3.87
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	1	3.87
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	12	3.86
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	12	3.86
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	12	3.86
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	12	3.86
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	12	3.86
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	12	3.86
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	12	3.86
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	12	3.86
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	12	3.86
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE1	12	3.86
(1,7604)	1:77:A:LEU:HD11	1:43:A:PHE:HE2	12	3.86
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE1	12	3.86
(1,7604)	1:77:A:LEU:HD12	1:43:A:PHE:HE2	12	3.86
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE1	12	3.86
(1,7604)	1:77:A:LEU:HD13	1:43:A:PHE:HE2	12	3.86
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	2	3.86
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	2	3.86
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	2	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	2	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	2	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	2	3.86
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	11	3.86
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	11	3.86
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	11	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	11	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	11	3.86
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	11	3.86
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	6	3.86
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	6	3.86
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	6	3.86
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	6	3.86
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	9	3.85
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	9	3.85
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	9	3.85
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	17	3.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	17	3.85
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	17	3.85
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	3	3.85
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	3	3.85
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	3	3.85
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	3	3.85
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	3	3.85
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	3	3.85
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	3	3.85
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	3	3.85
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	3	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	3	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	3	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	3	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	3	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	3	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	3	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	3	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	3	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	3	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	3	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	3	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	3	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	3	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	3	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	3	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	3	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	3	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	3	3.85
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	9	3.85
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	9	3.85
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	9	3.85
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	9	3.85
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	9	3.85
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	9	3.85
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	9	3.85
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	9	3.85
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	9	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	9	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	9	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	9	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	9	3.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	9	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	9	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	9	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	9	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	9	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	9	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	9	3.85
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	9	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	9	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	9	3.85
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	9	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	9	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	9	3.85
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	9	3.85
(1,7607)	1:77:A:LEU:HD21	1:29:A:LEU:HG	17	3.84
(1,7607)	1:77:A:LEU:HD22	1:29:A:LEU:HG	17	3.84
(1,7607)	1:77:A:LEU:HD23	1:29:A:LEU:HG	17	3.84
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	4	3.84
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	4	3.84
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	4	3.84
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	4	3.84
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	4	3.84
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	4	3.84
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	2	3.84
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	2	3.84
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	2	3.84
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	2	3.84
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	2	3.84
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	2	3.84
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	2	3.84
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	2	3.84
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	2	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	2	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	2	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	2	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	2	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	2	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	2	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	2	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	2	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	2	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	2	3.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	2	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	2	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	2	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	2	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	2	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	2	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	2	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	2	3.84
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	14	3.84
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	14	3.84
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	14	3.84
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	14	3.84
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	14	3.84
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	14	3.84
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	14	3.84
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	14	3.84
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	14	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	14	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	14	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	14	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	14	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	14	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	14	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	14	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	14	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	14	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	14	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	14	3.84
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	14	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	14	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	14	3.84
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	14	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	14	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	14	3.84
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	14	3.84
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD2	2	3.84
(1,7449)	1:3:A:PHE:HE1	1:65:A:LYS:HD3	2	3.84
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD2	2	3.84
(1,7449)	1:3:A:PHE:HE2	1:65:A:LYS:HD3	2	3.84
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	13	3.84
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	13	3.84
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	13	3.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	13	3.84
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	13	3.84
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	13	3.84
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	3	3.83
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	3	3.83
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	3	3.83
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	3	3.83
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	3	3.83
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	3	3.83
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	15	3.83
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	15	3.83
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	15	3.83
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	15	3.83
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	15	3.83
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	15	3.83
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	9	3.83
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	9	3.83
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	9	3.83
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	9	3.83
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	9	3.83
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	9	3.83
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	12	3.83
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	12	3.83
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	12	3.83
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	12	3.83
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	12	3.83
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	12	3.83
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	6	3.82
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	6	3.82
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	6	3.82
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	6	3.82
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	6	3.82
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	6	3.82
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	6	3.82
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	6	3.82
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	6	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	6	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	6	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	6	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	6	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	6	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	6	3.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	6	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	6	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	6	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	6	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	6	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	6	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	6	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	6	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	6	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	6	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	6	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	6	3.82
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	13	3.82
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	13	3.82
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	13	3.82
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	13	3.82
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	13	3.82
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	13	3.82
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	13	3.82
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	13	3.82
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	13	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	13	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	13	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	13	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	13	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	13	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	13	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	13	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	13	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	13	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	13	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	13	3.82
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	13	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	13	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	13	3.82
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	13	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	13	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	13	3.82
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	13	3.82
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	19	3.82
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	19	3.82
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	19	3.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	19	3.82
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	19	3.82
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	19	3.82
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	3	3.81
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	3	3.81
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	1	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	1	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	1	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	1	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	1	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	1	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	12	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	12	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	12	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	12	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	12	3.8
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	12	3.8
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	9	3.8
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	9	3.8
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	9	3.8
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	9	3.8
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	9	3.8
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	9	3.8
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	18	3.8
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	18	3.8
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	18	3.8
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	18	3.8
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	18	3.8
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	18	3.8
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	7	3.79
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	7	3.79
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	7	3.79
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	7	3.79
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	7	3.79
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	7	3.79
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	13	3.79
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	13	3.79
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	13	3.79
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	13	3.79
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	13	3.79
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	13	3.79
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	14	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	14	3.79
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	14	3.79
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	14	3.79
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	14	3.79
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	14	3.79
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	4	3.78
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	4	3.78
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	4	3.78
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	4	3.78
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	4	3.78
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	4	3.78
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	5	3.78
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	5	3.78
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	5	3.78
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	5	3.78
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	5	3.78
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	5	3.78
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	10	3.78
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	10	3.78
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	10	3.78
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	10	3.78
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	10	3.78
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	10	3.78
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	20	3.78
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	20	3.78
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	20	3.78
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	20	3.78
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	20	3.78
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	20	3.78
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	14	3.78
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	14	3.78
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	14	3.78
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	14	3.78
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	14	3.78
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	14	3.78
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	17	3.78
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	17	3.78
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	6	3.77
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	6	3.77
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	6	3.77
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	6	3.77
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	6	3.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	6	3.77
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	5	3.77
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	5	3.77
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	5	3.77
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	5	3.77
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	5	3.77
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	5	3.77
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	20	3.77
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	20	3.77
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	20	3.77
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	20	3.77
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	20	3.77
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	20	3.77
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	5	3.77
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	5	3.77
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	5	3.77
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	5	3.77
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	5	3.77
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	5	3.77
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	2	3.76
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	2	3.76
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	2	3.76
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	2	3.76
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	2	3.76
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	2	3.76
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	12	3.75
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	12	3.75
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	12	3.75
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	12	3.75
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	12	3.75
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	12	3.75
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	14	3.75
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	14	3.75
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	14	3.75
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	14	3.75
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	14	3.75
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	14	3.75
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	19	3.75
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	19	3.75
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	19	3.75
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	19	3.75
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	19	3.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	19	3.75
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	3	3.74
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	3	3.74
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	3	3.74
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	3	3.74
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	3	3.74
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	3	3.74
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	3	3.74
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	3	3.74
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	3	3.74
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD11	6	3.74
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD12	6	3.74
(1,7725)	1:100:A:VAL:HG11	1:77:A:LEU:HD13	6	3.74
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD11	6	3.74
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD12	6	3.74
(1,7725)	1:100:A:VAL:HG12	1:77:A:LEU:HD13	6	3.74
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD11	6	3.74
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD12	6	3.74
(1,7725)	1:100:A:VAL:HG13	1:77:A:LEU:HD13	6	3.74
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	12	3.74
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	6	3.74
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	6	3.74
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	6	3.74
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	6	3.74
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	6	3.74
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	6	3.74
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	3	3.73
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	3	3.73
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	3	3.73
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	3	3.73
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	3	3.73
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	3	3.73
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	17	3.73
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	17	3.73
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	17	3.73
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	17	3.73
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	17	3.73
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	17	3.73
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	12	3.73
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	12	3.73
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	12	3.73
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	12	3.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	12	3.73
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	12	3.73
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	12	3.73
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	12	3.73
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	12	3.73
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	12	3.73
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	12	3.73
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	12	3.73
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	12	3.73
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	12	3.73
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	12	3.73
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	12	3.73
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	12	3.73
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	12	3.73
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	12	3.73
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	12	3.73
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	12	3.73
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	12	3.73
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	12	3.73
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	12	3.73
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	12	3.73
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	12	3.73
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	12	3.73
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	9	3.72
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	9	3.72
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	9	3.72
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	9	3.72
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	9	3.72
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	9	3.72
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	18	3.72
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	18	3.72
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	18	3.72
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	18	3.72
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	18	3.72
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	18	3.72
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	1	3.71
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	1	3.71
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	1	3.71
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	1	3.71
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	1	3.71
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	1	3.71
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	16	3.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	16	3.71
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	16	3.71
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	16	3.71
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	16	3.71
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	16	3.71
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	13	3.71
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	13	3.71
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	13	3.71
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	13	3.71
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	13	3.71
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	13	3.71
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	3	3.7
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	3	3.7
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	3	3.7
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	3	3.7
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	3	3.7
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	3	3.7
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	12	3.7
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	12	3.7
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	8	3.69
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	8	3.69
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	8	3.69
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	8	3.69
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	8	3.69
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	8	3.69
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	15	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	13	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	13	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	13	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	13	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	13	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	13	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	16	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	16	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	16	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	16	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	16	3.68
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	16	3.68
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	11	3.68
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	11	3.68
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	11	3.68
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	11	3.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	11	3.68
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	11	3.68
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	11	3.68
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	11	3.68
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	11	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	11	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	11	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	11	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	11	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	11	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	11	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	11	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	11	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	11	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	11	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	11	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	11	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	11	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	11	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	11	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	11	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	11	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	11	3.68
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD11	15	3.68
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD12	15	3.68
(1,7533)	1:38:A:VAL:HG11	1:77:A:LEU:HD13	15	3.68
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD11	15	3.68
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD12	15	3.68
(1,7533)	1:38:A:VAL:HG12	1:77:A:LEU:HD13	15	3.68
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD11	15	3.68
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD12	15	3.68
(1,7533)	1:38:A:VAL:HG13	1:77:A:LEU:HD13	15	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD11	15	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD12	15	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD13	15	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD11	15	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD12	15	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD13	15	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD11	15	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD12	15	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD13	15	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD21	15	3.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD22	15	3.68
(1,7533)	1:38:A:VAL:HG21	1:77:A:LEU:HD23	15	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD21	15	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD22	15	3.68
(1,7533)	1:38:A:VAL:HG22	1:77:A:LEU:HD23	15	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD21	15	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD22	15	3.68
(1,7533)	1:38:A:VAL:HG23	1:77:A:LEU:HD23	15	3.68
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	7	3.68
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	7	3.68
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	10	3.67
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	16	3.67
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	18	3.67
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	18	3.67
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	18	3.67
(1,7608)	1:77:A:LEU:HD21	1:33:A:VAL:HB	18	3.67
(1,7608)	1:77:A:LEU:HD22	1:33:A:VAL:HB	18	3.67
(1,7608)	1:77:A:LEU:HD23	1:33:A:VAL:HB	18	3.67
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG21	11	3.67
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG22	11	3.67
(1,7441)	1:3:A:PHE:HE1	1:104:A:VAL:HG23	11	3.67
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG21	11	3.67
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG22	11	3.67
(1,7441)	1:3:A:PHE:HE2	1:104:A:VAL:HG23	11	3.67
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	2	3.66
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	4	3.66
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	5	3.66
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	5	3.66
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	5	3.66
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	5	3.66
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	5	3.66
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	5	3.66
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD11	12	3.66
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD12	12	3.66
(1,7539)	1:43:A:PHE:HE1	1:77:A:LEU:HD13	12	3.66
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD11	12	3.66
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD12	12	3.66
(1,7539)	1:43:A:PHE:HE2	1:77:A:LEU:HD13	12	3.66
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	1	3.65
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	19	3.65
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	7	3.65
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	7	3.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	7	3.65
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	7	3.65
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	7	3.65
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	7	3.65
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	5	3.63
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	4	3.63
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	4	3.63
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	4	3.63
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	4	3.63
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	4	3.63
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	4	3.63
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	10	3.63
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	10	3.63
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	10	3.63
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	10	3.63
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	10	3.63
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	10	3.63
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	6	3.62
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	17	3.62
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	3	3.61
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	18	3.61
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	20	3.61
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	20	3.61
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	20	3.61
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	20	3.61
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	20	3.61
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	20	3.61
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	20	3.61
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	7	3.61
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	7	3.61
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	7	3.61
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	7	3.61
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	7	3.61
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	7	3.61
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	11	3.6
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	9	3.6
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	9	3.6
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	9	3.6
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	9	3.6
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	9	3.6
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	9	3.6
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	16	3.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	16	3.6
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	16	3.6
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	16	3.6
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	16	3.6
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	16	3.6
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	7	3.59
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	8	3.59
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	9	3.59
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	13	3.59
(1,7654)	1:82:A:SER:H	1:85:A:LEU:HA	14	3.59
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	1	3.58
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	1	3.58
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	1	3.58
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	1	3.58
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	1	3.58
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	1	3.58
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	2	3.57
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	2	3.57
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	2	3.57
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	2	3.57
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	2	3.57
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	2	3.57
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	5	3.57
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	5	3.57
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	5	3.57
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	5	3.57
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	5	3.57
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	5	3.57
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	17	3.57
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	17	3.57
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	17	3.57
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	17	3.57
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	17	3.57
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	17	3.57
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	19	3.56
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	19	3.56
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	19	3.56
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	19	3.56
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	19	3.56
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	19	3.56
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	8	3.55
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	8	3.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	8	3.55
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	8	3.55
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	8	3.55
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	8	3.55
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	20	3.55
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	20	3.55
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	20	3.55
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	20	3.55
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	20	3.55
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	20	3.55
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	8	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	8	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	8	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	8	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	8	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	8	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	17	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	17	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	17	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	17	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	17	3.54
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	17	3.54
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	3	3.53
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	3	3.53
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	3	3.53
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	3	3.53
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	3	3.53
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	3	3.53
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	13	3.52
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	13	3.52
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	13	3.52
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	13	3.52
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	13	3.52
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	13	3.52
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	9	3.52
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	9	3.52
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	19	3.52
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	19	3.52
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	18	3.51
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	18	3.51
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	18	3.51
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	18	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	18	3.51
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	18	3.51
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	14	3.49
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	14	3.49
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	14	3.49
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	14	3.49
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	14	3.49
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	14	3.49
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	13	3.49
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	13	3.49
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	9	3.48
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	9	3.48
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	9	3.48
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	9	3.48
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	9	3.48
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	9	3.48
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	5	3.48
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	5	3.48
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	6	3.47
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	6	3.47
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	6	3.47
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	6	3.47
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	6	3.47
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	6	3.47
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	11	3.47
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	11	3.47
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	12	3.44
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	12	3.44
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	12	3.44
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	12	3.44
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	12	3.44
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	12	3.44
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	6	3.42
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	6	3.42
(1,7446)	1:3:A:PHE:HE1	1:65:A:LYS:HA	18	3.42
(1,7446)	1:3:A:PHE:HE2	1:65:A:LYS:HA	18	3.42
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	15	3.4
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	15	3.4
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	15	3.4
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	15	3.4
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	15	3.4
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	15	3.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	15	3.39
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	15	3.39
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	15	3.39
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	20	3.38
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	20	3.38
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	20	3.38
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	20	3.38
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	20	3.38
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	20	3.38
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	4	3.37
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	4	3.37
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	4	3.37
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	4	3.37
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	4	3.37
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	4	3.37
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG11	11	3.34
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG12	11	3.34
(1,7594)	1:77:A:LEU:H	1:33:A:VAL:HG13	11	3.34
(1,7523)	1:33:A:VAL:HG11	1:77:A:LEU:HG	11	3.33
(1,7523)	1:33:A:VAL:HG12	1:77:A:LEU:HG	11	3.33
(1,7523)	1:33:A:VAL:HG13	1:77:A:LEU:HG	11	3.33
(1,7523)	1:33:A:VAL:HG21	1:77:A:LEU:HG	11	3.33
(1,7523)	1:33:A:VAL:HG22	1:77:A:LEU:HG	11	3.33
(1,7523)	1:33:A:VAL:HG23	1:77:A:LEU:HG	11	3.33
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	2	3.29
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG11	6	3.29
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG12	6	3.29
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG13	6	3.29
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG21	6	3.29
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG22	6	3.29
(1,7586)	1:74:A:THR:H	1:100:A:VAL:HG23	6	3.29
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	7	3.27
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	7	3.27
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	7	3.27
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	7	3.27
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	7	3.27
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	7	3.27
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	8	3.27
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	8	3.27
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	8	3.27
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	8	3.27
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	8	3.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	8	3.27
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	16	3.26
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	16	3.26
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	16	3.26
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	16	3.26
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	16	3.26
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	16	3.26
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	3	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	1	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	1	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	1	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	1	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	1	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	1	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	10	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	10	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	10	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	10	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	10	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	10	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	18	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	18	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	18	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	18	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	18	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	18	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	19	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	19	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	19	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	19	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	19	3.25
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	19	3.25
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	4	3.25
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	4	3.25
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	4	3.25
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	4	3.25
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	4	3.25
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	4	3.25
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	1	3.24
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	12	3.24
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	18	3.24
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	8	3.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	8	3.24
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	8	3.24
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	8	3.24
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	8	3.24
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	8	3.24
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	17	3.23
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	17	3.23
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	17	3.23
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	17	3.23
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	17	3.23
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	17	3.23
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	3	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	3	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	3	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	3	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	3	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	3	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	5	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	5	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	5	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	5	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	5	3.22
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	5	3.22
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	16	3.21
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	16	3.21
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	16	3.21
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	16	3.21
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	16	3.21
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	16	3.21
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	4	3.2
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	6	3.2
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	16	3.2
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	16	3.2
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	16	3.2
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	16	3.2
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	16	3.2
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	16	3.2
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	10	3.2
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	10	3.2
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	10	3.2
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	10	3.2
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	10	3.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	10	3.2
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	15	3.19
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	18	3.19
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	18	3.19
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	18	3.19
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	18	3.19
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	18	3.19
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	18	3.19
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	13	3.18
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	20	3.18
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	20	3.18
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	20	3.18
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	20	3.18
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	20	3.18
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	20	3.18
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	2	3.17
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	2	3.17
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	2	3.17
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	2	3.17
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	2	3.17
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	2	3.17
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	10	3.17
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	10	3.17
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	10	3.17
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	10	3.17
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	10	3.17
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	10	3.17
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	14	3.15
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	7	3.15
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	7	3.15
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	7	3.15
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	7	3.15
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	7	3.15
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	7	3.15
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	17	3.15
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	17	3.15
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	17	3.15
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	17	3.15
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	17	3.15
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	17	3.15
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	19	3.15
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	19	3.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	19	3.15
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	19	3.15
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	19	3.15
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	19	3.15
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	8	3.14
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	9	3.14
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	10	3.14
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	11	3.14
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	1	3.14
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	1	3.14
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	1	3.14
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	1	3.14
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	1	3.14
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	1	3.14
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	8	3.14
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	8	3.14
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	8	3.14
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	8	3.14
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	8	3.14
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	8	3.14
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	14	3.14
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	14	3.14
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	14	3.14
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	14	3.14
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	14	3.14
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	14	3.14
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	7	3.13
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	13	3.13
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	13	3.13
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	13	3.13
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	13	3.13
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	13	3.13
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	13	3.13
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	16	3.12
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	17	3.12
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	20	3.12
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	9	3.12
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	9	3.12
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	9	3.12
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	9	3.12
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	9	3.12
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	9	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	5	3.12
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	5	3.12
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	5	3.12
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	5	3.12
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	5	3.12
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	5	3.12
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	5	3.11
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	20	3.1
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	20	3.1
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	20	3.1
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	20	3.1
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	20	3.1
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	20	3.1
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	15	3.1
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	15	3.1
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	15	3.1
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	15	3.1
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	15	3.1
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	15	3.1
(1,7667)	1:86:A:GLY:H	1:83:A:SER:H	19	3.09
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	14	3.09
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	14	3.09
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	14	3.09
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	14	3.09
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	14	3.09
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	14	3.09
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	3	3.08
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	3	3.08
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	3	3.08
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	3	3.08
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	3	3.08
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	3	3.08
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	2	3.08
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	2	3.08
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	2	3.08
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	2	3.08
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	2	3.08
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	2	3.08
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	6	3.06
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	6	3.06
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	6	3.06
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	6	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	6	3.06
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	6	3.06
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	2	3.06
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	2	3.06
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	2	3.06
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	2	3.06
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	2	3.06
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	2	3.06
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	1	3.06
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	1	3.06
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	1	3.06
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	1	3.06
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	1	3.06
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	1	3.06
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	4	3.06
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	4	3.06
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	4	3.06
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	4	3.06
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	4	3.06
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	4	3.06
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	12	3.05
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	12	3.05
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	12	3.05
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	12	3.05
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	12	3.05
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	12	3.05
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	9	3.04
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	9	3.04
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	9	3.04
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	9	3.04
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	9	3.04
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	9	3.04
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	17	3.03
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	17	3.03
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	17	3.03
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	17	3.03
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	17	3.03
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	17	3.03
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	14	3.02
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	14	3.02
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	14	3.02
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	14	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	14	3.02
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	14	3.02
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	13	2.99
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	13	2.99
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	13	2.99
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	13	2.99
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	13	2.99
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	13	2.99
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	12	2.97
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	12	2.97
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	12	2.97
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	12	2.97
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	12	2.97
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	12	2.97
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	15	2.96
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	15	2.96
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	15	2.96
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	15	2.96
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	15	2.96
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	15	2.96
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	6	2.95
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	6	2.95
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	6	2.95
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	6	2.95
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	6	2.95
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	6	2.95
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG11	11	2.93
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG12	11	2.93
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG13	11	2.93
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG21	11	2.93
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG22	11	2.93
(1,7596)	1:77:A:LEU:HA	1:33:A:VAL:HG23	11	2.93
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	3	2.92
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	3	2.92
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	3	2.92
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	3	2.92
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	3	2.92
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	3	2.92
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	9	2.77
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	9	2.77
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	9	2.77
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	9	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	9	2.77
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	9	2.77
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	11	2.71
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	11	2.71
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	11	2.71
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	11	2.71
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	11	2.71
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	11	2.71
(1,7525)	1:33:A:VAL:HG11	1:80:A:LEU:HB2	15	2.7
(1,7525)	1:33:A:VAL:HG12	1:80:A:LEU:HB2	15	2.7
(1,7525)	1:33:A:VAL:HG13	1:80:A:LEU:HB2	15	2.7
(1,7525)	1:33:A:VAL:HG21	1:80:A:LEU:HB2	15	2.7
(1,7525)	1:33:A:VAL:HG22	1:80:A:LEU:HB2	15	2.7
(1,7525)	1:33:A:VAL:HG23	1:80:A:LEU:HB2	15	2.7
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	7	2.7
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	7	2.7
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	7	2.7
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	7	2.7
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	7	2.7
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	7	2.7
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	12	2.67
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	12	2.67
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	12	2.67
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	12	2.67
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	12	2.67
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	12	2.67
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	6	2.66
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	6	2.66
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	6	2.66
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	6	2.66
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	6	2.66
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	6	2.66
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	13	2.64
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	13	2.64
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	13	2.64
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	13	2.64
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	13	2.64
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	13	2.64
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	2	2.61
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	6	2.57
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	6	2.57
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	6	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	6	2.57
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	6	2.57
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	6	2.57
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	6	2.57
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	6	2.57
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	6	2.57
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	6	2.57
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	6	2.57
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	6	2.57
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	6	2.57
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	6	2.57
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	6	2.57
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	6	2.57
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	6	2.57
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	6	2.57
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	5	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	5	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	5	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	5	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	5	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	5	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	5	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	5	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	5	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	5	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	5	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	5	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	5	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	5	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	5	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	5	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	5	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	5	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	10	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	10	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	10	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	10	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	10	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	10	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	10	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	10	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	10	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	10	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	10	2.56
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	10	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	10	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	10	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	10	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	10	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	10	2.56
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	10	2.56
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	4	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	4	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	4	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	4	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	4	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	4	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	4	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	4	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	4	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	4	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	4	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	4	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	4	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	4	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	4	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	4	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	4	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	4	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	7	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	7	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	7	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	7	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	7	2.55
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	7	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	7	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	7	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	7	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	7	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	7	2.55
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	7	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	7	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	7	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	7	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	7	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	7	2.55
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	7	2.55
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	19	2.55
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	19	2.55
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	19	2.55
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	19	2.55
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	19	2.55
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	19	2.55
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	3	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	16	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	16	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	16	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	16	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	16	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	16	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	16	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	16	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	16	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	16	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	16	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	16	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	16	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	16	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	16	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	16	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	16	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	16	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	17	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	17	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	17	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	17	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	17	2.52
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	17	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	17	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	17	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	17	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	17	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	17	2.52
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	17	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	17	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	17	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	17	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	17	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	17	2.52
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	17	2.52
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	5	2.52
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	5	2.52
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	5	2.52
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	5	2.52
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	5	2.52
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	5	2.52
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	8	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	8	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	8	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	8	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	8	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	8	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	8	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	8	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	8	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	8	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	8	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	8	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	8	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	8	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	8	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	8	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	8	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	8	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	10	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	10	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	10	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	10	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	10	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	10	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	10	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	10	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	10	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	10	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	10	2.51
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	10	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	10	2.51
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	10	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	10	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	10	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	10	2.51
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	10	2.51
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	18	2.51
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	20	2.51
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	20	2.51
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	20	2.51
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	20	2.51
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	20	2.51
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	20	2.51
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	20	2.51
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	20	2.51
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	20	2.51
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	20	2.51
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	20	2.51
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	20	2.51
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	20	2.51
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	20	2.51
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	20	2.51
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	20	2.51
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	20	2.51
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	20	2.51
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	8	2.5
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	8	2.5
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	8	2.5
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	8	2.5
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	8	2.5
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	8	2.5
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	8	2.5
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	8	2.5
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	8	2.5
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	8	2.5
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	8	2.5
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	8	2.5
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	8	2.5
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	8	2.5
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	8	2.5
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	8	2.5
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	8	2.5
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	8	2.5
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	1	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	1	2.49
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	1	2.49
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	1	2.49
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	1	2.49
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	1	2.49
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	1	2.49
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	1	2.49
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	1	2.49
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	1	2.49
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	1	2.49
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	1	2.49
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	1	2.49
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	1	2.49
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	1	2.49
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	1	2.49
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	1	2.49
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	1	2.49
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	19	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	19	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	19	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	19	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	19	2.48
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	19	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	19	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	19	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	19	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	19	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	19	2.48
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	19	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	19	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	19	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	19	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	19	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	19	2.48
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	19	2.48
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	5	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	5	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	5	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	5	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	5	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	5	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	5	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	5	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	5	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	5	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	5	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	5	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	5	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	5	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	5	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	5	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	5	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	5	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	17	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	17	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	17	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	17	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	17	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	17	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	17	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	17	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	17	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	17	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	17	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	17	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	17	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	17	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	17	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	17	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	17	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	17	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	19	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	19	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	19	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	19	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	19	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	19	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	19	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	19	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	19	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	19	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	19	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	19	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	19	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	19	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	19	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	19	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	19	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	19	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	20	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	20	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	20	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	20	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	20	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	20	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	20	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	20	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	20	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	20	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	20	2.47
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	20	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	20	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	20	2.47
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	20	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	20	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	20	2.47
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	20	2.47
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	2	2.47
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	2	2.47
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	2	2.47
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	2	2.47
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	2	2.47
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	2	2.47
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	2	2.47
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	2	2.47
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	2	2.47
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	2	2.47
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	2	2.47
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	2	2.47
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	2	2.47
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	2	2.47
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	2	2.47
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	2	2.47
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	2	2.47
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	2	2.47
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	1	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	14	2.45
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	14	2.45
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	14	2.45
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	14	2.45
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	14	2.45
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	14	2.45
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	14	2.45
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	14	2.45
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	14	2.45
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	14	2.45
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	14	2.45
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	14	2.45
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	14	2.45
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	14	2.45
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	14	2.45
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	14	2.45
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	14	2.45
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	14	2.45
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	13	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	13	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	13	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	13	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	13	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	13	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	13	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	13	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	13	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	13	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	13	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	13	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	13	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	13	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	13	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	13	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	13	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	13	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	13	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	18	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	18	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	18	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	18	2.45
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	18	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	18	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	18	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	18	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	18	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	18	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	18	2.45
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	18	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	18	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	18	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	18	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	18	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	18	2.45
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	18	2.45
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	18	2.45
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	18	2.45
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	18	2.45
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	18	2.45
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	18	2.45
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	18	2.45
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	16	2.44
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	16	2.44
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	16	2.44
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	16	2.44
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	16	2.44
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	16	2.44
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	16	2.44
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	16	2.44
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	16	2.44
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	16	2.44
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	16	2.44
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	16	2.44
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	16	2.44
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	16	2.44
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	16	2.44
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	16	2.44
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	16	2.44
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	16	2.44
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	3	2.44
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	3	2.44
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	3	2.44
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	3	2.44
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	3	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	3	2.44
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	3	2.44
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	3	2.44
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	3	2.44
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	3	2.44
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	3	2.44
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	3	2.44
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	3	2.44
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	3	2.44
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	3	2.44
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	3	2.44
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	3	2.44
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	3	2.44
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	11	2.43
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	13	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	13	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	13	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	13	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	13	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	13	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	13	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	13	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	13	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	13	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	13	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	13	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	13	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	13	2.42
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	13	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	13	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	13	2.42
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	13	2.42
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	6	2.42
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	15	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	9	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	9	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	9	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	9	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	9	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	9	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	9	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	9	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	9	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	9	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	9	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	9	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	9	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	9	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	9	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	9	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	9	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	9	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	14	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	14	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	14	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	14	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	14	2.42
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	14	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	14	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	14	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	14	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	14	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	14	2.42
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	14	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	14	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	14	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	14	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	14	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	14	2.42
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	14	2.42
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	1	2.42
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	1	2.42
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	1	2.42
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	7	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	7	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	7	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	7	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	7	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	7	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	7	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	7	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	7	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	7	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	7	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	7	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	7	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	7	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	7	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	7	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	7	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	7	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	9	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	9	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	9	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	9	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	9	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	9	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	9	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	9	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	9	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	9	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	9	2.41
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	9	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	9	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	9	2.41
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	9	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	9	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	9	2.41
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	9	2.41
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	4	2.41
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	10	2.41
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	14	2.41
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	6	2.41
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	6	2.41
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	6	2.41
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	6	2.41
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	6	2.41
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	6	2.41
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	6	2.41
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	6	2.41
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	6	2.41
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	6	2.41
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	6	2.41
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	6	2.41
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	6	2.41
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	6	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	6	2.41
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	6	2.41
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	6	2.41
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	6	2.41
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	10	2.41
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	10	2.41
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	10	2.41
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	2	2.4
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	2	2.4
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	2	2.4
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	4	2.4
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	4	2.4
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	4	2.4
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	5	2.4
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	5	2.4
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	5	2.4
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	7	2.4
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	7	2.4
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	7	2.4
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	13	2.4
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	13	2.4
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	13	2.4
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	14	2.4
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	14	2.4
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	14	2.4
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	20	2.4
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	20	2.4
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	20	2.4
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD11	11	2.4
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD12	11	2.4
(1,7444)	1:3:A:PHE:HE1	1:108:A:LEU:HD13	11	2.4
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD11	11	2.4
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD12	11	2.4
(1,7444)	1:3:A:PHE:HE2	1:108:A:LEU:HD13	11	2.4
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	2	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	2	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	2	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	2	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	2	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	2	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	2	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	2	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	2	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	2	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	2	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	2	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	2	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	2	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	2	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	2	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	2	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	2	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	15	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	15	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	15	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	15	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	15	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	15	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	15	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	15	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	15	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	15	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	15	2.39
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	15	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	15	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	15	2.39
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	15	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	15	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	15	2.39
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	15	2.39
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	9	2.39
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	12	2.39
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	3	2.39
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	3	2.39
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	3	2.39
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	9	2.39
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	9	2.39
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	9	2.39
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	15	2.39
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	15	2.39
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	15	2.39
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	7	2.38
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	15	2.38
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	15	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	15	2.38
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	15	2.38
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	15	2.38
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	15	2.38
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	15	2.38
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	15	2.38
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	15	2.38
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	15	2.38
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	15	2.38
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	15	2.38
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	15	2.38
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	15	2.38
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	15	2.38
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	15	2.38
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	15	2.38
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	15	2.38
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	4	2.38
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	4	2.38
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	4	2.38
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	4	2.38
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	4	2.38
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	4	2.38
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	12	2.38
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	12	2.38
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	12	2.38
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	12	2.38
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	8	2.37
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	12	2.37
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	12	2.37
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	12	2.37
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	12	2.37
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	12	2.37
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	12	2.37
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	12	2.37
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	12	2.37
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	12	2.37
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	12	2.37
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	12	2.37
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	12	2.37
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	12	2.37
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	12	2.37
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	12	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	12	2.37
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	12	2.37
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	12	2.37
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	3	2.37
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	3	2.37
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	3	2.37
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	3	2.37
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	3	2.37
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	3	2.37
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	7	2.37
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	7	2.37
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	7	2.37
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	7	2.37
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	7	2.37
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	7	2.37
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	16	2.37
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	16	2.37
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	16	2.37
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	17	2.37
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	17	2.37
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	17	2.37
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	4	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	4	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	4	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	4	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	4	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	4	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	4	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	4	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	4	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	4	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	4	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	4	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	4	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	4	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	4	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	4	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	4	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	4	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	12	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	12	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	12	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	12	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	12	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	12	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	12	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	12	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	12	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	12	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	12	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	12	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	12	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	12	2.36
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	12	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	12	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	12	2.36
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	12	2.36
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG11	11	2.36
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG12	11	2.36
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG13	11	2.36
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG21	11	2.36
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG22	11	2.36
(1,7609)	1:77:A:LEU:HD21	1:33:A:VAL:HG23	11	2.36
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG11	11	2.36
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG12	11	2.36
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG13	11	2.36
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG21	11	2.36
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG22	11	2.36
(1,7609)	1:77:A:LEU:HD22	1:33:A:VAL:HG23	11	2.36
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG11	11	2.36
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG12	11	2.36
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG13	11	2.36
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG21	11	2.36
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG22	11	2.36
(1,7609)	1:77:A:LEU:HD23	1:33:A:VAL:HG23	11	2.36
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	6	2.36
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	6	2.36
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	6	2.36
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	8	2.36
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	8	2.36
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	8	2.36
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	1	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	1	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	1	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	1	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	1	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	1	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	1	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	1	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	1	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	1	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	1	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	1	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	1	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	1	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	1	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	1	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	1	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	1	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	18	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	18	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	18	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	18	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	18	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	18	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	18	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	18	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	18	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	18	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	18	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	18	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	18	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	18	2.35
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	18	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	18	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	18	2.35
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	18	2.35
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	1	2.35
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	1	2.35
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	1	2.35
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	1	2.35
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	1	2.35
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	1	2.35
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	10	2.35
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	10	2.35
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	10	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	10	2.35
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	10	2.35
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	10	2.35
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	15	2.35
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	15	2.35
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	15	2.35
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	15	2.35
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	15	2.35
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	15	2.35
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	12	2.35
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	12	2.35
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	12	2.35
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	11	2.34
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	11	2.34
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	11	2.34
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	11	2.34
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	11	2.34
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	11	2.34
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	11	2.34
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	11	2.34
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	11	2.34
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	11	2.34
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	11	2.34
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	11	2.34
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	11	2.34
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	11	2.34
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	11	2.34
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	11	2.34
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	11	2.34
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	11	2.34
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	17	2.34
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	17	2.34
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	17	2.34
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	17	2.34
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	17	2.34
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	17	2.34
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	17	2.34
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	5	2.33
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	19	2.33
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	2	2.33
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	2	2.33
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	2	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	2	2.33
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	2	2.33
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	2	2.33
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	11	2.33
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	11	2.33
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	11	2.33
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	2	2.33
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	2	2.33
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	2	2.33
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	2	2.33
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	2	2.33
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	2	2.33
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	2	2.33
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	2	2.33
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	2	2.33
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	19	2.33
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	19	2.33
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	19	2.33
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	19	2.33
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	19	2.33
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	19	2.33
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	19	2.33
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	19	2.33
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	19	2.33
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	16	2.32
(1,7668)	1:86:A:GLY:H	1:83:A:SER:HA	20	2.32
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	1	2.32
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	1	2.32
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	1	2.32
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	1	2.32
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	1	2.32
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	1	2.32
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	1	2.32
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	1	2.32
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	1	2.32
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	10	2.32
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	10	2.32
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	10	2.32
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	10	2.32
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	10	2.32
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	10	2.32
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	10	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	10	2.32
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	10	2.32
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	18	2.31
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	18	2.31
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	18	2.31
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	8	2.31
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	8	2.31
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	8	2.31
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	8	2.31
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	17	2.31
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	17	2.31
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	17	2.31
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	17	2.31
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	11	2.3
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	11	2.3
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	11	2.3
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	11	2.3
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	11	2.3
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	11	2.3
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	16	2.3
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	16	2.3
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	16	2.3
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	16	2.3
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	16	2.3
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	16	2.3
(1,7567)	1:73:A:LEU:HD11	1:43:A:PHE:HZ	19	2.3
(1,7567)	1:73:A:LEU:HD12	1:43:A:PHE:HZ	19	2.3
(1,7567)	1:73:A:LEU:HD13	1:43:A:PHE:HZ	19	2.3
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	14	2.3
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	14	2.3
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	14	2.3
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	14	2.3
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	16	2.3
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	16	2.3
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	16	2.3
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	16	2.3
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	13	2.29
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	13	2.29
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	13	2.29
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	13	2.29
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	13	2.29
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	13	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	13	2.29
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	13	2.29
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	13	2.29
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	3	2.29
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	3	2.29
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	3	2.29
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	3	2.29
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	7	2.29
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	7	2.29
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	7	2.29
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	7	2.29
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	11	2.28
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	11	2.28
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	11	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	11	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	11	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	11	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	11	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	11	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	11	2.28
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	14	2.28
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	14	2.28
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	14	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	14	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	14	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	14	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	14	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	14	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	14	2.28
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	15	2.28
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	15	2.28
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	15	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	15	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	15	2.28
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	15	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	15	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	15	2.28
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	15	2.28
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	10	2.28
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	10	2.28
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	10	2.28
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	10	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD11	3	2.27
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD12	3	2.27
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD13	3	2.27
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD11	3	2.27
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD12	3	2.27
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD13	3	2.27
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD11	3	2.27
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD12	3	2.27
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD13	3	2.27
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD21	3	2.27
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD22	3	2.27
(1,7710)	1:96:A:THR:HG21	1:77:A:LEU:HD23	3	2.27
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD21	3	2.27
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD22	3	2.27
(1,7710)	1:96:A:THR:HG22	1:77:A:LEU:HD23	3	2.27
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD21	3	2.27
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD22	3	2.27
(1,7710)	1:96:A:THR:HG23	1:77:A:LEU:HD23	3	2.27
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	1	2.27
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	1	2.27
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	1	2.27
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	1	2.27
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	20	2.27
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	20	2.27
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	20	2.27
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	20	2.27
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	18	2.26
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	18	2.26
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	18	2.26
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	18	2.26
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	18	2.26
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	18	2.26
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	4	2.26
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	4	2.26
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	4	2.26
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	4	2.26
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	19	2.25
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	19	2.25
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	19	2.25
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	19	2.25
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	19	2.25
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	19	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	12	2.25
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	12	2.25
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	12	2.25
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	12	2.25
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	12	2.25
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	12	2.25
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	12	2.25
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	12	2.25
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	12	2.25
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	16	2.25
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	16	2.25
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	16	2.25
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	16	2.25
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	16	2.25
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	16	2.25
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	16	2.25
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	16	2.25
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	16	2.25
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	5	2.24
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	5	2.24
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	5	2.24
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	5	2.24
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	5	2.24
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	5	2.24
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	5	2.24
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	5	2.24
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	5	2.24
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	15	2.24
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	15	2.24
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	15	2.24
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	15	2.24
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	12	2.21
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	12	2.21
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	12	2.21
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	12	2.21
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	12	2.21
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	12	2.21
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	7	2.21
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	7	2.21
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	7	2.21
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	7	2.21
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	7	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	7	2.21
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	7	2.21
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	7	2.21
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	7	2.21
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	14	2.2
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	14	2.2
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	14	2.2
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	14	2.2
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	14	2.2
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	14	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	3	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	3	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	3	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	3	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	3	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	3	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	3	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	3	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	3	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	4	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	4	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	4	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	4	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	4	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	4	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	4	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	4	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	4	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	18	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	18	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	18	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	18	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	18	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	18	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	18	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	18	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	18	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	20	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	20	2.2
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	20	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	20	2.2
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	20	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	20	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	20	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	20	2.2
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	20	2.2
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	2	2.2
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	2	2.2
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	2	2.2
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	2	2.2
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	5	2.19
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	5	2.19
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	5	2.19
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	5	2.19
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	5	2.19
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	5	2.19
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	20	2.19
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	20	2.19
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	20	2.19
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	20	2.19
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	20	2.19
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	20	2.19
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	9	2.19
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	9	2.19
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	9	2.19
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	9	2.19
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	9	2.19
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	9	2.19
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	9	2.19
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	9	2.19
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	9	2.19
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	8	2.19
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	8	2.19
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	8	2.19
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	8	2.19
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	8	2.19
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	8	2.19
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	8	2.19
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	8	2.19
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	8	2.19
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	17	2.19
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	17	2.19
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	17	2.19
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	17	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	17	2.19
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	17	2.19
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	17	2.19
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	17	2.19
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	17	2.19
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	9	2.19
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	9	2.19
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	9	2.19
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	9	2.19
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	6	2.17
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	6	2.17
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	6	2.17
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	6	2.17
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	6	2.17
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	6	2.17
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	5	2.17
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	5	2.17
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	5	2.17
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	5	2.17
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	13	2.17
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	13	2.17
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	13	2.17
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	13	2.17
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	19	2.17
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	19	2.17
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	19	2.17
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	19	2.17
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	9	2.16
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	9	2.16
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	9	2.16
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	9	2.16
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	9	2.16
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	9	2.16
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	13	2.16
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	13	2.16
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	13	2.16
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	13	2.16
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	13	2.16
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	13	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	5	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	5	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	5	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	5	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	10	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	10	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	10	2.16
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	10	2.16
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	4	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	4	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	4	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	4	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	7	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	7	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	7	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	7	2.15
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	7	2.15
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	11	2.15
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	11	2.15
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	11	2.15
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	11	2.15
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	17	2.14
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	17	2.14
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	17	2.14
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	17	2.14
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	17	2.14
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	17	2.14
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	17	2.14
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	17	2.14
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	17	2.14
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	6	2.13
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	6	2.13
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	6	2.13
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	6	2.13
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	6	2.13
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	6	2.13
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	6	2.13
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	6	2.13
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	6	2.13
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	6	2.13
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	6	2.13
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	6	2.13
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	6	2.13
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	16	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	16	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	16	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	16	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	17	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	17	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	17	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	17	2.12
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	17	2.12
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE1	8	2.11
(1,7568)	1:73:A:LEU:HD11	1:43:A:PHE:HE2	8	2.11
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE1	8	2.11
(1,7568)	1:73:A:LEU:HD12	1:43:A:PHE:HE2	8	2.11
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE1	8	2.11
(1,7568)	1:73:A:LEU:HD13	1:43:A:PHE:HE2	8	2.11
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	20	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	20	2.11
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	20	2.11
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	20	2.11
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	20	2.11
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG21	8	2.1
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG22	8	2.1
(1,7566)	1:73:A:LEU:HD11	1:100:A:VAL:HG23	8	2.1
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG21	8	2.1
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG22	8	2.1
(1,7566)	1:73:A:LEU:HD12	1:100:A:VAL:HG23	8	2.1
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG21	8	2.1
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG22	8	2.1
(1,7566)	1:73:A:LEU:HD13	1:100:A:VAL:HG23	8	2.1
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	8	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	8	2.1
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	8	2.1
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	8	2.1
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	1	2.09
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	1	2.09
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	1	2.09
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	1	2.09
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB2	18	2.09
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB2	18	2.09
(1,7447)	1:3:A:PHE:HE1	1:65:A:LYS:HB3	18	2.09
(1,7447)	1:3:A:PHE:HE2	1:65:A:LYS:HB3	18	2.09
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	9	2.08
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	9	2.08
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	9	2.08
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	9	2.08
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	9	2.08
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	9	2.08
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	9	2.08
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	9	2.08
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	9	2.08
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	10	2.08
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	10	2.08
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	10	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	10	2.08
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	10	2.08
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	10	2.08
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	10	2.08
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	10	2.08
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	10	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	19	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	19	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	19	2.08
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	19	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	2	2.07
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	2	2.07
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	2	2.07
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	2	2.07
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	20	2.05
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	20	2.05
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	20	2.05
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	20	2.05
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	20	2.05
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	20	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	20	2.05
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	20	2.05
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	20	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	13	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	13	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	13	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	18	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	18	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	18	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	18	2.05
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	18	2.05
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	13	2.04
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	13	2.04
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	13	2.04
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	13	2.04
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	13	2.04
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	13	2.04
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	13	2.04
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	13	2.04
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	13	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	3	2.04
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	3	2.04
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	3	2.04
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	3	2.04
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	12	2.02
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	7	2.02
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	7	2.02
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	7	2.02
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	7	2.02
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	7	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	7	2.02
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	7	2.02
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	7	2.02
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	7	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	9	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	9	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	9	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	14	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	14	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	14	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	14	2.02
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	14	2.02
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	5	2.01
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	5	2.01
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	5	2.01
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	5	2.01
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	5	2.01
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	5	2.01
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	5	2.01
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	5	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	5	2.01
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	6	2.01
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	6	2.01
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	6	2.01
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	6	2.01
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	15	2.0
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	14	2.0
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	14	2.0
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	14	2.0
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	14	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	14	2.0
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	14	2.0
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	14	2.0
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	14	2.0
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	14	2.0
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	2	1.99
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	10	1.99
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	16	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	4	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	4	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	4	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	4	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	4	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	4	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	4	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	4	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	4	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	6	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	6	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	6	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	6	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	6	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	6	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	6	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	6	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	6	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	16	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	16	1.98
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	16	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	16	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	16	1.98
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	16	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	16	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	16	1.98
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	16	1.98
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	15	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	15	1.98
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	15	1.98
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	15	1.98
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	15	1.98
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	1	1.97
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	18	1.97
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	11	1.97
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	11	1.97
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	11	1.97
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	11	1.97
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	11	1.97
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	11	1.97
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	11	1.97
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	11	1.97
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	11	1.97
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	18	1.97
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	18	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	18	1.97
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	18	1.97
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	18	1.97
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	18	1.97
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	18	1.97
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	18	1.97
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	18	1.97
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	12	1.97
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	12	1.97
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	12	1.97
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	12	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	12	1.97
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	4	1.96
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	15	1.96
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	15	1.96
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	15	1.96
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	15	1.96
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	15	1.96
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	15	1.96
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	15	1.96
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	15	1.96
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	15	1.96
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG11	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG12	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG13	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG21	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD21	11	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG22	1:77:A:LEU:HD23	11	1.96
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD21	11	1.96
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD22	11	1.96
(1,7524)	1:33:A:VAL:HG23	1:77:A:LEU:HD23	11	1.96
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	8	1.95
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	17	1.95
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	19	1.95
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	19	1.95
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	19	1.95
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	19	1.95
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	19	1.95
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	19	1.95
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	19	1.95
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	19	1.95
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	19	1.95
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	19	1.95
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	6	1.94
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	8	1.94
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	8	1.94
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	20	1.94
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	20	1.94
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	3	1.93
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	7	1.93
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	9	1.93
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	14	1.93
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	2	1.93
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	2	1.93
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	2	1.93
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	2	1.93
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	2	1.93
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	2	1.93
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	2	1.93
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	2	1.93
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	2	1.93
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	11	1.92
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	13	1.92
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	20	1.92
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	1	1.92
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	1	1.92
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	1	1.92
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	1	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	1	1.92
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	1	1.92
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	1	1.92
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	1	1.92
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	1	1.92
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	12	1.92
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	12	1.92
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	12	1.92
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	12	1.92
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	12	1.92
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	12	1.92
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	12	1.92
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	12	1.92
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	12	1.92
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	16	1.92
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	16	1.92
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD11	3	1.91
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD12	3	1.91
(1,7540)	1:47:A:LEU:HD21	1:73:A:LEU:HD13	3	1.91
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD11	3	1.91
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD12	3	1.91
(1,7540)	1:47:A:LEU:HD22	1:73:A:LEU:HD13	3	1.91
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD11	3	1.91
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD12	3	1.91
(1,7540)	1:47:A:LEU:HD23	1:73:A:LEU:HD13	3	1.91
(1,7658)	1:83:A:SER:H	1:85:A:LEU:HA	5	1.9
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	4	1.85
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	4	1.85
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	4	1.85
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	4	1.85
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	4	1.85
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	4	1.85
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	4	1.85
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	4	1.85
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	4	1.85
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	11	1.84
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	11	1.84
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	11	1.84
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	11	1.84
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	11	1.84
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	11	1.84
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	11	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	11	1.84
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	11	1.84
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	7	1.83
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	7	1.83
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	7	1.83
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	7	1.83
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	7	1.83
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	7	1.83
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	7	1.83
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	7	1.83
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	7	1.83
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	15	1.83
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	15	1.83
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	15	1.83
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	15	1.83
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	15	1.83
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	15	1.83
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	15	1.83
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	15	1.83
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	15	1.83
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	5	1.82
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	5	1.82
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	5	1.82
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	5	1.82
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	5	1.82
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	5	1.82
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	5	1.82
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	5	1.82
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	5	1.82
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	2	1.81
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	2	1.81
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	14	1.81
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	14	1.81
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	1	1.8
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	1	1.8
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	1	1.8
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	1	1.8
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	1	1.8
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	1	1.8
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	1	1.8
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	1	1.8
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	1	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	10	1.8
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	10	1.8
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	10	1.8
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	10	1.8
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	10	1.8
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	10	1.8
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	10	1.8
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	10	1.8
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	10	1.8
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	9	1.79
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	9	1.79
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	9	1.79
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	9	1.79
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	9	1.79
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	9	1.79
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	9	1.79
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	9	1.79
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	9	1.79
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	10	1.79
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	10	1.79
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	11	1.79
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	11	1.79
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	3	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	3	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	3	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	3	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	3	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	3	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	3	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	3	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	3	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	6	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	6	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	6	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	6	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	6	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	6	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	6	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	6	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	6	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	13	1.78
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	13	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	13	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	13	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	13	1.78
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	13	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	13	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	13	1.78
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	13	1.78
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	12	1.78
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	12	1.78
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	12	1.78
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	12	1.78
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	15	1.77
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	15	1.77
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	10	1.76
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	10	1.76
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	4	1.76
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	4	1.76
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	18	1.76
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	18	1.76
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	2	1.75
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	2	1.75
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	2	1.75
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	2	1.75
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	2	1.75
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	2	1.75
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	2	1.75
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	2	1.75
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	2	1.75
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	19	1.75
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	19	1.75
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	19	1.75
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	19	1.75
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	19	1.75
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	19	1.75
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	19	1.75
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	19	1.75
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	19	1.75
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	14	1.74
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	14	1.74
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	14	1.74
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	14	1.74
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	14	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	14	1.74
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	14	1.74
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	14	1.74
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	14	1.74
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	1	1.74
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	1	1.74
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	4	1.74
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	4	1.74
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	16	1.73
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	18	1.73
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	18	1.73
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	18	1.73
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	18	1.73
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	18	1.72
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	18	1.72
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	18	1.72
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	18	1.72
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	18	1.72
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	18	1.72
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	18	1.72
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	18	1.72
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	18	1.72
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	20	1.71
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	12	1.7
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	12	1.7
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	12	1.7
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	12	1.7
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	12	1.7
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	12	1.7
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	12	1.7
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	12	1.7
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	12	1.7
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	10	1.7
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	8	1.68
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	8	1.68
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	8	1.68
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	8	1.68
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	8	1.68
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	8	1.68
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	8	1.68
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	8	1.68
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	8	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	8	1.68
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	8	1.68
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	8	1.68
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	8	1.68
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	8	1.68
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	8	1.68
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	8	1.68
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	8	1.68
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	8	1.68
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	2	1.68
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	2	1.68
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	6	1.67
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	6	1.67
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	6	1.67
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	6	1.67
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	17	1.66
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	17	1.66
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	17	1.66
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	17	1.66
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	17	1.66
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	17	1.66
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	17	1.66
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	17	1.66
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	17	1.66
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	17	1.66
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	17	1.66
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	17	1.66
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	17	1.66
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	17	1.66
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	17	1.66
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	17	1.66
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	17	1.66
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	17	1.66
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	13	1.66
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	13	1.66
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	13	1.66
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	13	1.66
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	14	1.65
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	3	1.65
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	3	1.65
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	17	1.64
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	17	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	11	1.64
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	11	1.64
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	11	1.64
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	11	1.64
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	4	1.63
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	15	1.63
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	15	1.63
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	1	1.62
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	9	1.6
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	9	1.6
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	9	1.6
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	9	1.6
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	9	1.6
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	9	1.6
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	9	1.6
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	9	1.6
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	9	1.6
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	9	1.6
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	9	1.6
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	9	1.6
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	9	1.6
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	9	1.6
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	9	1.6
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	9	1.6
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	9	1.6
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	9	1.6
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	16	1.6
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	16	1.6
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	16	1.6
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	16	1.6
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	16	1.6
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	16	1.6
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	16	1.6
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	16	1.6
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	16	1.6
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	5	1.6
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	5	1.6
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	9	1.6
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	9	1.6
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	5	1.6
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	5	1.6
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	9	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	9	1.6
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	13	1.59
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	13	1.59
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	14	1.59
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	14	1.59
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	10	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	10	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	10	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	10	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	10	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	10	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	10	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	10	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	10	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	10	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	10	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	10	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	10	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	10	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	10	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	10	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	10	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	10	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	20	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	20	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	20	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	20	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	20	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	20	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	20	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	20	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	20	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	20	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	20	1.58
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	20	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	20	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	20	1.58
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	20	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	20	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	20	1.58
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	20	1.58
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	8	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	8	1.58
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	8	1.58
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	8	1.58
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	8	1.58
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	8	1.58
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	8	1.58
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	8	1.58
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	8	1.58
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	17	1.57
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	17	1.57
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	17	1.57
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	17	1.57
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	17	1.57
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	17	1.57
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	17	1.57
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	17	1.57
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	17	1.57
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	13	1.56
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	13	1.56
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	13	1.56
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	13	1.56
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	13	1.56
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	13	1.56
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	13	1.56
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	13	1.56
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	13	1.56
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	13	1.56
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	13	1.56
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	13	1.56
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	13	1.56
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	13	1.56
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	13	1.56
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	13	1.56
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	13	1.56
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	13	1.56
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD11	20	1.56
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD12	20	1.56
(1,7520)	1:29:A:LEU:HD11	1:77:A:LEU:HD13	20	1.56
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD11	20	1.56
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD12	20	1.56
(1,7520)	1:29:A:LEU:HD12	1:77:A:LEU:HD13	20	1.56
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD11	20	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD12	20	1.56
(1,7520)	1:29:A:LEU:HD13	1:77:A:LEU:HD13	20	1.56
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	2	1.55
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	2	1.55
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	8	1.54
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	5	1.53
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	5	1.53
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	5	1.53
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	5	1.53
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	5	1.53
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	5	1.53
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	5	1.53
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	5	1.53
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	5	1.53
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	5	1.53
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	5	1.53
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	5	1.53
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	5	1.53
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	5	1.53
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	5	1.53
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	5	1.53
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	5	1.53
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	5	1.53
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	15	1.53
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	8	1.52
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	8	1.52
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	8	1.52
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	14	1.52
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	14	1.52
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	14	1.52
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	14	1.52
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	14	1.52
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	14	1.52
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	14	1.52
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	14	1.52
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	14	1.52
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	14	1.52
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	14	1.52
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	14	1.52
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	14	1.52
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	14	1.52
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	14	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	14	1.52
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	14	1.52
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	14	1.52
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	10	1.51
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	11	1.51
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	7	1.51
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	7	1.51
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	7	1.51
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	7	1.51
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	7	1.51
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	7	1.51
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	7	1.51
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	7	1.51
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	7	1.51
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	7	1.51
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	7	1.51
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	7	1.51
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	7	1.51
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	7	1.51
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	7	1.51
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	7	1.51
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	7	1.51
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	7	1.51
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	15	1.5
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	18	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	6	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	6	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	6	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	6	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	6	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	6	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	6	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	6	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	6	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	6	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	6	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	6	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	6	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	6	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	6	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	6	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	6	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	6	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	16	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	16	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	16	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	16	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	16	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	16	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	16	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	16	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	16	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	16	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	16	1.5
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	16	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	16	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	16	1.5
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	16	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	16	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	16	1.5
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	16	1.5
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	19	1.49
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	19	1.49
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	3	1.48
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	13	1.48
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	14	1.48
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	4	1.48
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	4	1.48
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	4	1.48
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	4	1.48
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	4	1.48
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	4	1.48
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	4	1.48
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	4	1.48
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	4	1.48
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	4	1.48
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	4	1.48
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	4	1.48
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	4	1.48
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	4	1.48
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	4	1.48
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	4	1.48
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	4	1.48
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	4	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	7	1.47
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	8	1.47
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	9	1.47
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	19	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	11	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	11	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	11	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	11	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	11	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	11	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	11	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	11	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	11	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	11	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	11	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	11	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	11	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	11	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	11	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	11	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	11	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	11	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	18	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	18	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	18	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	18	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	18	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	18	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	18	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	18	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	18	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	18	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	18	1.47
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	18	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	18	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	18	1.47
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	18	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	18	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	18	1.47
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	18	1.47
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	1	1.46
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	6	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	16	1.46
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	17	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	15	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	15	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	15	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	15	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	15	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	15	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	15	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	15	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	15	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	15	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	15	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	15	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	15	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	15	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	15	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	15	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	15	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	15	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	19	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	19	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	19	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	19	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	19	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	19	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	19	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	19	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	19	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	19	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	19	1.46
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	19	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	19	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	19	1.46
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	19	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	19	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	19	1.46
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	19	1.46
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	4	1.45
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	12	1.45
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	2	1.45
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	2	1.45
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	2	1.45
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	2	1.45
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	2	1.45
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	2	1.45
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	2	1.45
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	2	1.45
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	2	1.45
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	2	1.45
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	2	1.45
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	2	1.45
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	2	1.45
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	2	1.45
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	2	1.45
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	2	1.45
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	2	1.45
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	1	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	1	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	1	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	1	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	1	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	1	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	1	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	1	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	1	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	1	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	1	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	1	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	1	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	1	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	1	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	1	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	1	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	1	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	12	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	12	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	12	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	12	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	12	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	12	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	12	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	12	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	12	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	12	1.44
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	12	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	12	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	12	1.44
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	12	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	12	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	12	1.44
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	12	1.44
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	3	1.44
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	3	1.44
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	9	1.44
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	9	1.44
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	7	1.44
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	7	1.44
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	7	1.44
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	7	1.44
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	5	1.43
(1,7663)	1:85:A:LEU:HA	1:83:A:SER:HA	20	1.43
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD11	3	1.42
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD12	3	1.42
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD13	3	1.42
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD11	3	1.42
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD12	3	1.42
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD13	3	1.42
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD11	3	1.42
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD12	3	1.42
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD13	3	1.42
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD21	3	1.42
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD22	3	1.42
(1,7569)	1:73:A:LEU:HD11	1:47:A:LEU:HD23	3	1.42
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD21	3	1.42
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD22	3	1.42
(1,7569)	1:73:A:LEU:HD12	1:47:A:LEU:HD23	3	1.42
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD21	3	1.42
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD22	3	1.42
(1,7569)	1:73:A:LEU:HD13	1:47:A:LEU:HD23	3	1.42
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	12	1.42
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	12	1.42
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	3	1.4
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	3	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	3	1.4
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	3	1.4
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	18	1.39
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	18	1.39
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	19	1.36
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	19	1.36
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	12	1.35
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	12	1.35
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	12	1.35
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	9	1.35
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	9	1.35
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	9	1.35
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	15	1.34
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	15	1.34
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	15	1.34
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	5	1.33
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	5	1.33
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	5	1.33
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	7	1.33
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	7	1.33
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	11	1.33
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	11	1.33
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	1	1.32
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	1	1.32
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	1	1.32
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	4	1.32
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	4	1.32
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	4	1.32
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	16	1.32
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	16	1.32
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	16	1.32
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	8	1.32
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	8	1.32
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	8	1.32
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	8	1.32
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	8	1.32
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	8	1.32
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	5	1.32
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	5	1.32
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	15	1.31
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	15	1.31
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	15	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	3	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	3	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	3	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	5	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	5	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	5	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	11	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	11	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	11	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	17	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	17	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	17	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	18	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	18	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	18	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	19	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	19	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	19	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	20	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	20	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	20	1.31
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	17	1.31
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	17	1.31
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	17	1.31
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	13	1.31
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	13	1.31
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	2	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	2	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	2	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	6	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	6	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	6	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	7	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	7	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	7	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	8	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	8	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	8	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	9	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	9	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	9	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	10	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	10	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	10	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	13	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	13	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	13	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG21	14	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG22	14	1.3
(1,7657)	1:83:A:SER:H	1:84:A:THR:HG23	14	1.3
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	14	1.28
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	14	1.28
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	14	1.28
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	10	1.27
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	10	1.27
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	10	1.27
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	20	1.27
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	20	1.27
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	20	1.27
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	16	1.27
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	16	1.27
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	16	1.27
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	16	1.27
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	20	1.26
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	20	1.26
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	10	1.25
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	10	1.25
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	10	1.25
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	4	1.24
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	4	1.24
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	4	1.24
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	6	1.24
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	6	1.24
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	6	1.24
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	8	1.24
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	8	1.24
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	20	1.24
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	20	1.24
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	8	1.24
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	8	1.24
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	20	1.24
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	20	1.24
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	19	1.23
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	19	1.23
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	18	1.23
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	18	1.23
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	18	1.23
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	4	1.23
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	4	1.23
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	14	1.23
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	14	1.23
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	8	1.23
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	8	1.23
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	16	1.23
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	16	1.23
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	17	1.23
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	17	1.23
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	4	1.23
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	4	1.23
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	14	1.23
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	14	1.23
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	2	1.22
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	2	1.22
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	2	1.22
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	12	1.22
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	12	1.22
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	12	1.22
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	7	1.22
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	7	1.22
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	7	1.22
(1,7454)	1:3:A:PHE:HE1	1:69:A:LEU:HG	6	1.22
(1,7454)	1:3:A:PHE:HE2	1:69:A:LEU:HG	6	1.22
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	2	1.22
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	2	1.22
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	10	1.22
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	10	1.22
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	2	1.22
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	2	1.22
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	10	1.22
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	10	1.22
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	17	1.21
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	17	1.21
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	17	1.21
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	17	1.21
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	17	1.21
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	11	1.2
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	11	1.2
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	11	1.2
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	1	1.2
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	1	1.2
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	1	1.2
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	13	1.2
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	13	1.2
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	13	1.2
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	12	1.2
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	12	1.2
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	15	1.19
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	16	1.19
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	16	1.19
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	16	1.19
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	16	1.18
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	19	1.18
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	11	1.18
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	11	1.18
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	11	1.18
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	12	1.18
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	12	1.18
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	12	1.18
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	10	1.17
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	11	1.17
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	12	1.17
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	4	1.17
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	4	1.17
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	4	1.17
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	2	1.16
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	4	1.16
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	5	1.16
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	13	1.16
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	14	1.16
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	20	1.16
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	8	1.16
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	3	1.15
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	17	1.15
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	18	1.15
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	7	1.15
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	7	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	7	1.15
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	7	1.15
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	7	1.15
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	7	1.15
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	10	1.15
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	10	1.15
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	10	1.15
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	10	1.15
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	10	1.15
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	10	1.15
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	19	1.15
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	19	1.15
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	19	1.15
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	9	1.15
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	9	1.15
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	9	1.15
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	9	1.15
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	9	1.15
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	9	1.15
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	5	1.15
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	1	1.14
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	7	1.14
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	9	1.14
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	4	1.14
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	4	1.14
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	4	1.14
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	4	1.14
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	4	1.14
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	4	1.14
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	9	1.14
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	14	1.14
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	5	1.14
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	5	1.14
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	14	1.13
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	14	1.13
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	14	1.13
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	6	1.13
(1,7656)	1:83:A:SER:H	1:84:A:THR:HB	8	1.13
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	5	1.13
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	5	1.13
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	5	1.13
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	5	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	5	1.13
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	5	1.13
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	1	1.13
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	7	1.13
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	10	1.13
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	7	1.13
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	7	1.13
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	4	1.12
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	20	1.12
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	18	1.11
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	18	1.11
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	18	1.11
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	18	1.11
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	18	1.11
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	18	1.11
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	2	1.11
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	2	1.11
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	2	1.11
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	15	1.11
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	15	1.11
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	15	1.11
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	17	1.11
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	17	1.11
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	17	1.11
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	17	1.11
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	17	1.11
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	17	1.11
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	13	1.11
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	20	1.11
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	20	1.11
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	20	1.11
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	1	1.1
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	1	1.1
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	1	1.1
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	1	1.1
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	1	1.1
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	1	1.1
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	11	1.1
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	11	1.1
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	11	1.1
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	11	1.1
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	11	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	11	1.1
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	2	1.1
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	6	1.1
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	15	1.1
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	17	1.1
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	5	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	5	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	5	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	6	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	6	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	6	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	14	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	14	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	14	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	19	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	19	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	19	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	20	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	20	1.09
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	20	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	3	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	3	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	3	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	8	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	8	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	8	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	13	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	13	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	13	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	14	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	14	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	14	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	17	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	17	1.09
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	17	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	5	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	5	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	5	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	6	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	6	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	6	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	14	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	14	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	14	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	19	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	19	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	19	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	20	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	20	1.09
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	20	1.09
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	1	1.08
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	1	1.08
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	1	1.08
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	14	1.08
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	14	1.08
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	14	1.08
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	14	1.08
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	14	1.08
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	14	1.08
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	3	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	9	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	9	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	9	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	10	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	10	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	10	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	13	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	13	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	13	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	17	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	17	1.08
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	17	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	5	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	5	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	5	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	6	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	6	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	6	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	7	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	7	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	7	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	9	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	9	1.08
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	9	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	6	1.08
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	6	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	9	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	9	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	9	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	10	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	10	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	10	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	13	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	13	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	13	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	17	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	17	1.08
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	17	1.08
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	16	1.07
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	16	1.07
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	16	1.07
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	16	1.07
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	16	1.07
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	16	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	10	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	10	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	10	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	10	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	10	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	10	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	20	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	20	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	20	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	20	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	20	1.07
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	20	1.07
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	12	1.07
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	16	1.07
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	3	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	2	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	2	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	2	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	7	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	7	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	7	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	8	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	8	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	16	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	16	1.07
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	16	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	1	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	1	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	1	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	4	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	4	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	4	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	19	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	19	1.07
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	19	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	2	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	2	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	2	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	7	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	7	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	7	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	8	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	8	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	8	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	16	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	16	1.07
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	16	1.07
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	5	1.06
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	5	1.06
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	5	1.06
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	11	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	11	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	11	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	11	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	16	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	16	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	16	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	18	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	18	1.06
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	18	1.06
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	13	1.05
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	13	1.05
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	19	1.05
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	19	1.05
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	19	1.05
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	19	1.05
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	19	1.05
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	19	1.05
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	3	1.04
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	3	1.04
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	3	1.04
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	15	1.04
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	15	1.04
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	15	1.04
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	15	1.04
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	15	1.04
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	15	1.04
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	6	1.04
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	6	1.04
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	6	1.04
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	6	1.04
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	6	1.04
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	6	1.04
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	18	1.04
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	18	1.03
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	18	1.03
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	18	1.03
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	18	1.03
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	18	1.03
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	18	1.03
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	17	1.03
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	3	1.02
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	3	1.02
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	3	1.02
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	3	1.02
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	3	1.02
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	3	1.02
(1,7574)	1:73:A:LEU:HD21	1:43:A:PHE:HZ	3	1.02
(1,7574)	1:73:A:LEU:HD22	1:43:A:PHE:HZ	3	1.02
(1,7574)	1:73:A:LEU:HD23	1:43:A:PHE:HZ	3	1.02
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	7	1.02
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	7	1.02
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	7	1.02
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	7	1.02
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	7	1.02
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	1	1.02
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	1	1.02
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	2	1.01
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	2	1.01
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	2	1.01
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	2	1.01
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	2	1.01
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	2	1.01
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	2	1.01
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	2	1.01
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	2	1.01
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	20	1.0
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	20	1.0
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	20	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	1	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	1	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	1	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	1	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	1	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	1	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	13	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	13	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	13	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	13	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	13	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	13	1.0
(1,7534)	1:43:A:PHE:HZ	1:73:A:LEU:HG	19	1.0
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	16	0.99
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	16	0.99
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	16	0.99
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	16	0.99
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	16	0.99
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	16	0.99
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	11	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	11	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	11	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	11	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	11	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	11	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	12	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	12	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	12	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	12	0.98
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	12	0.98
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	7	0.97
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	7	0.97
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	7	0.97
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	4	0.97
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	4	0.97
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	4	0.97
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	4	0.97
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	4	0.97
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	4	0.97
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	19	0.95
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	19	0.95
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	19	0.95
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	19	0.95
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	19	0.95
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	19	0.95
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	16	0.94
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	16	0.94
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	16	0.94
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	18	0.94
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	18	0.94
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	18	0.94
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	11	0.93
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	11	0.93
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	11	0.93
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	19	0.93
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	19	0.93
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	10	0.93
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	10	0.93
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	10	0.93
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	11	0.93
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	11	0.93
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	11	0.93
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	19	0.93
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	19	0.93
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	1	0.92
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	1	0.92
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	1	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	3	0.92
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	3	0.92
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	3	0.92
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	1	0.92
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	1	0.92
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	1	0.92
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	3	0.92
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	3	0.92
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	3	0.92
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	9	0.91
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	9	0.91
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	9	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	2	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	2	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	2	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	2	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	2	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	2	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	15	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	15	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	15	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	15	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	15	0.91
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	15	0.91
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	4	0.91
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	4	0.91
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	4	0.91
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	12	0.91
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	12	0.91
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	12	0.91
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	12	0.91
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	12	0.91
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	12	0.91
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	4	0.91
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	4	0.91
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	4	0.91
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	12	0.91
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	12	0.91
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	12	0.91
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	8	0.9
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	8	0.9
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	15	0.88
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	15	0.88
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	15	0.88
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	15	0.88
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	15	0.88
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	15	0.88
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD11	18	0.87
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD12	18	0.87
(1,6925)	1:83:A:SER:H	1:79:A:LEU:HD13	18	0.87
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD11	18	0.87
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD12	18	0.87
(1,1803)	1:83:A:SER:H	1:79:A:LEU:HD13	18	0.87
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	6	0.84
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	6	0.84
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	6	0.84
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD11	15	0.84
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD12	15	0.84
(1,4115)	1:83:B:SER:H	1:79:B:LEU:HD13	15	0.84
(1,7723)	1:100:A:VAL:HG11	1:73:A:LEU:HG	17	0.82
(1,7723)	1:100:A:VAL:HG12	1:73:A:LEU:HG	17	0.82
(1,7723)	1:100:A:VAL:HG13	1:73:A:LEU:HG	17	0.82
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	17	0.82
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	17	0.82
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	17	0.82
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD11	3	0.82
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD12	3	0.82
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD13	3	0.82
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD21	3	0.82
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD22	3	0.82
(1,7535)	1:43:A:PHE:HZ	1:73:A:LEU:HD23	3	0.82
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	12	0.82
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	12	0.82
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	12	0.82
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	12	0.82
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	12	0.82
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	12	0.82
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	17	0.81
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	17	0.81
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	17	0.81
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	17	0.81
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	17	0.81
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	17	0.81
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	17	0.81
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	17	0.81
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	17	0.81
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	17	0.81
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	17	0.81
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	7	0.79
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	7	0.78
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	7	0.78
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	7	0.78
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	10	0.78
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	10	0.78
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	10	0.78
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	10	0.78
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	10	0.78
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	10	0.78
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	10	0.78
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	10	0.78
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	10	0.78
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	10	0.78
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	10	0.78
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	10	0.78
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	18	0.78
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	18	0.78
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	18	0.78
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	18	0.78
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	18	0.78
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	18	0.78
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	5	0.77
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	5	0.77
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	5	0.77
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	5	0.77
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	5	0.77
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	5	0.77
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	5	0.77
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	5	0.77
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	5	0.77
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	8	0.77
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	8	0.77
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	8	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	4	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	4	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	4	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	4	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	4	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	4	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	4	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	4	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	4	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	4	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	4	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	7	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	7	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	7	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	7	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	7	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	7	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	7	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	7	0.77
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	7	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	7	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	7	0.77
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	7	0.77
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	6	0.77
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	10	0.76
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	10	0.76
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	3	0.76
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	3	0.76
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	3	0.76
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	20	0.76
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	20	0.76
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	20	0.76
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	3	0.76
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	3	0.76
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	3	0.76
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	20	0.76
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	20	0.76
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	20	0.76
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	6	0.75
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	17	0.75
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	17	0.75
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	6	0.75
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	17	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	17	0.75
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	20	0.74
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	20	0.74
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	20	0.74
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	20	0.74
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	20	0.74
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	20	0.74
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	20	0.74
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	20	0.74
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	20	0.74
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	8	0.74
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	8	0.74
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	8	0.74
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	8	0.74
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	8	0.74
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	8	0.74
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	1	0.74
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	1	0.74
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	1	0.74
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	1	0.74
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	1	0.74
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	1	0.74
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	1	0.74
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	1	0.74
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	1	0.74
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	1	0.74
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	1	0.74
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	1	0.74
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	7	0.74
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	14	0.74
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	14	0.74
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	14	0.74
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	15	0.74
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	15	0.74
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	15	0.74
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	14	0.74
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	14	0.74
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	14	0.74
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	15	0.74
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	15	0.74
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	15	0.74
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	15	0.73
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	6	0.73
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	6	0.73
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	6	0.73
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	6	0.73
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	6	0.73
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	6	0.73
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	6	0.73
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	6	0.73
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	6	0.73
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	8	0.73
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	8	0.73
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	8	0.73
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	11	0.73
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	11	0.73
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	11	0.73
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	11	0.73
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	11	0.73
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	11	0.73
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	11	0.73
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	11	0.73
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	11	0.73
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	11	0.73
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	11	0.73
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	11	0.73
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	1	0.72
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	1	0.72
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	12	0.72
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	12	0.72
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	18	0.72
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	18	0.72
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	18	0.72
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	18	0.72
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	18	0.72
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	18	0.72
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	18	0.72
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	18	0.72
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	18	0.72
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	18	0.72
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	18	0.72
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	18	0.72
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	17	0.72
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	17	0.72
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	17	0.72
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	5	0.72
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	16	0.71
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	16	0.71
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	9	0.71
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	9	0.71
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	9	0.71
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	16	0.71
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	16	0.71
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	16	0.71
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	16	0.71
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	16	0.71
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	16	0.71
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	16	0.71
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	16	0.71
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	16	0.71
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	16	0.71
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	16	0.71
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	16	0.71
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	8	0.71
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	8	0.71
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	8	0.71
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	9	0.71
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	14	0.71
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	10	0.71
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	10	0.71
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	10	0.71
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	8	0.71
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	8	0.71
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	8	0.71
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	4	0.7
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	4	0.7
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	19	0.7
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	19	0.7
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	10	0.7
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	10	0.7
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	10	0.7
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	10	0.7
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	10	0.7
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	10	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	10	0.7
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	10	0.7
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	10	0.7
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	10	0.7
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	10	0.7
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	10	0.7
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	13	0.7
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	13	0.7
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	13	0.7
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	20	0.7
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	20	0.7
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	20	0.7
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	15	0.7
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	15	0.7
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	15	0.7
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	15	0.7
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	15	0.7
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	15	0.7
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	15	0.7
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	15	0.7
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	15	0.7
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	15	0.7
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	15	0.7
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	15	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	7	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	7	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	7	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	9	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	9	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	9	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	10	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	10	0.7
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	10	0.7
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	6	0.7
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	4	0.7
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	4	0.7
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	4	0.7
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	19	0.7
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	19	0.7
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	19	0.7
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	7	0.7
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	7	0.7
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	9	0.7
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	9	0.7
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	9	0.7
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	10	0.7
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	10	0.7
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	10	0.7
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	17	0.69
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	17	0.69
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	17	0.69
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	18	0.69
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	18	0.69
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	18	0.69
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	3	0.69
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	3	0.69
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	3	0.69
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	3	0.69
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	3	0.69
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	3	0.69
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	3	0.69
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	3	0.69
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	3	0.69
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	3	0.69
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	3	0.69
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	3	0.69
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	9	0.69
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	17	0.69
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	14	0.69
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	14	0.69
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	14	0.69
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	9	0.69
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	17	0.69
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	3	0.68
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	3	0.68
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	3	0.68
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	3	0.68
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	3	0.68
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	3	0.68
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	3	0.68
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	3	0.68
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	3	0.68
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	4	0.68
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	4	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	19	0.68
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	19	0.68
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	19	0.68
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	3	0.68
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	7	0.68
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	3	0.68
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	7	0.68
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	5	0.67
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	5	0.67
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	11	0.67
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	11	0.67
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	17	0.67
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	17	0.67
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	20	0.67
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	20	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	12	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	12	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	12	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	12	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	12	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	12	0.67
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	12	0.67
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	12	0.67
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	12	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	13	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	13	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	13	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	13	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	13	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	13	0.67
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	13	0.67
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	13	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	15	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	15	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	15	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	15	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	15	0.67
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	15	0.67
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	15	0.67
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	15	0.67
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	15	0.67
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	1	0.67
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	1	0.67
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	1	0.67
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	5	0.67
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	5	0.67
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	5	0.67
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	9	0.67
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	9	0.67
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	9	0.67
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	16	0.67
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	16	0.67
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	16	0.67
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	2	0.67
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	2	0.67
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	2	0.67
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	2	0.67
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	2	0.67
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	2	0.67
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	2	0.67
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	2	0.67
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	2	0.67
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	2	0.67
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	2	0.67
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	2	0.67
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	13	0.67
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	14	0.67
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	18	0.67
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	2	0.67
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	2	0.67
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	2	0.67
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	4	0.67
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	4	0.67
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	19	0.67
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	7	0.67
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	7	0.67
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	7	0.67
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	2	0.67
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	16	0.67
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	16	0.67
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	16	0.67
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	20	0.67
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	20	0.67
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	20	0.67
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	3	0.67
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	9	0.67
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	12	0.67
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	12	0.67
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	12	0.67
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	13	0.67
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	14	0.67
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	18	0.67
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	2	0.67
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	2	0.67
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	2	0.67
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	4	0.67
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	4	0.67
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	4	0.67
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	19	0.67
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	7	0.67
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	7	0.67
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	7	0.67
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	4	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	4	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	4	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	4	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	4	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	4	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	4	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	4	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	4	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	14	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	14	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	14	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	14	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	14	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	14	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	14	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	14	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	19	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	19	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	19	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	19	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	19	0.66
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	19	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	19	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	19	0.66
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	19	0.66
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	6	0.66
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	6	0.66
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	6	0.66
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	7	0.66
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	7	0.66
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	7	0.66
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	11	0.66
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	11	0.66
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	11	0.66
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	12	0.66
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	12	0.66
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	12	0.66
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	14	0.66
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	14	0.66
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	14	0.66
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	15	0.66
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	15	0.66
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	15	0.66
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	19	0.66
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	19	0.66
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	19	0.66
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	12	0.66
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	19	0.66
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	20	0.66
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	12	0.66
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	12	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	12	0.66
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	14	0.66
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	14	0.66
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	14	0.66
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	9	0.66
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	9	0.66
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	9	0.66
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	12	0.66
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	19	0.66
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	20	0.66
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	12	0.66
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	12	0.66
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	12	0.66
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	14	0.66
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	14	0.66
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	14	0.66
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	2	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	2	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	2	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	2	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	2	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	2	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	2	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	2	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	2	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	7	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	7	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	7	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	7	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	7	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	7	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	7	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	7	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	7	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	9	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	9	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	9	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	9	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	9	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	9	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	9	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	9	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	11	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	11	0.65
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	11	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	11	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	11	0.65
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	11	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	11	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	11	0.65
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	11	0.65
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	3	0.65
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	3	0.65
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	3	0.65
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	20	0.65
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	20	0.65
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	20	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	5	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	5	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	5	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	10	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	10	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	10	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	18	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	18	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	18	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	19	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	19	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	19	0.65
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	1	0.65
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	2	0.65
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	16	0.65
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	19	0.65
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	19	0.65
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	19	0.65
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	15	0.65
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	15	0.65
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	15	0.65
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	1	0.65
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	1	0.65
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	1	0.65
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	16	0.65
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	2	0.65
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	16	0.65
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	19	0.65
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	19	0.65
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	19	0.65
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	15	0.65
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	15	0.65
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	15	0.65
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	1	0.65
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	1	0.65
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	11	0.64
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	11	0.64
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	11	0.64
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	16	0.64
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	16	0.64
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	16	0.64
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	8	0.64
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	10	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	1	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	1	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	1	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	6	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	6	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	6	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	16	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	16	0.64
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	16	0.64
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	6	0.64
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	13	0.64
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	13	0.64
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	13	0.64
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	18	0.64
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	18	0.64
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	18	0.64
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	3	0.64
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	12	0.64
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	13	0.64
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	18	0.64
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	8	0.64
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	8	0.64
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	8	0.64
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	10	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	1	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	1	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	1	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	6	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	6	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	6	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	16	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	16	0.64
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	16	0.64
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	6	0.64
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	13	0.64
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	13	0.64
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	13	0.64
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	18	0.64
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	18	0.64
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	18	0.64
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	16	0.63
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	16	0.63
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	16	0.63
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	16	0.63
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	16	0.63
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	16	0.63
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	16	0.63
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	16	0.63
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	16	0.63
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	4	0.63
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	4	0.63
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	4	0.63
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	4	0.63
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	4	0.63
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	4	0.63
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	4	0.63
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	4	0.63
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	4	0.63
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	4	0.63
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	4	0.63
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	4	0.63
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	4	0.63
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	4	0.63
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	4	0.63
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	4	0.63
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	4	0.63
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	2	0.63
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	2	0.63
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	2	0.63
(1,7576)	1:73:A:LEU:HD21	1:72:A:ALA:HA	13	0.63
(1,7576)	1:73:A:LEU:HD22	1:72:A:ALA:HA	13	0.63
(1,7576)	1:73:A:LEU:HD23	1:72:A:ALA:HA	13	0.63
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	5	0.63
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	5	0.63
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	5	0.63
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	5	0.63
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	5	0.63
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	5	0.63
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	4	0.63
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	5	0.63
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	9	0.63
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	9	0.63
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	9	0.63
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	11	0.63
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	5	0.63
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	5	0.63
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	5	0.63
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	8	0.63
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	15	0.63
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	15	0.63
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	15	0.63
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	4	0.63
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	5	0.63
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	9	0.63
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	9	0.63
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	9	0.63
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	13	0.62
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	13	0.62
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	13	0.62
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	14	0.62
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	14	0.62
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	14	0.62
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	8	0.61
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	8	0.61
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	8	0.61
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	8	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	8	0.61
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	8	0.61
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	8	0.61
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	8	0.61
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	8	0.61
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	17	0.61
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	17	0.61
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	17	0.61
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	17	0.61
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	17	0.61
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	17	0.61
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	17	0.61
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	17	0.61
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	17	0.61
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	9	0.61
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	9	0.61
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	9	0.61
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	9	0.61
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	9	0.61
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	9	0.61
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	11	0.61
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	11	0.61
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	11	0.61
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	3	0.61
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	3	0.61
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	3	0.61
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HB	9	0.61
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	12	0.61
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	12	0.61
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	12	0.61
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	11	0.61
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	11	0.61
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	11	0.61
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	3	0.61
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	3	0.61
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	3	0.61
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	1	0.6
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	1	0.6
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	1	0.6
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	1	0.6
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	1	0.6
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	1	0.6
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	1	0.6
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	1	0.6
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	5	0.6
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	5	0.6
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	5	0.6
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	11	0.6
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	3	0.6
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	3	0.6
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	3	0.6
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	7	0.6
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	7	0.6
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	7	0.6
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	18	0.6
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	4	0.6
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	4	0.6
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	4	0.6
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	5	0.6
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	5	0.6
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	5	0.6
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	11	0.6
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	12	0.59
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	12	0.59
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	12	0.59
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	12	0.59
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	12	0.59
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	12	0.59
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	14	0.59
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	14	0.59
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	14	0.59
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	14	0.59
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	14	0.59
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	14	0.59
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	20	0.59
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	20	0.59
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	20	0.59
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	20	0.59
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	20	0.59
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	20	0.59
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	6	0.59
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	6	0.59
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	14	0.59
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	14	0.59
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	14	0.59
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	2	0.59
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	2	0.59
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	2	0.59
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	10	0.59
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	10	0.59
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	10	0.59
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	2	0.59
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	2	0.59
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	2	0.59
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	2	0.58
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	2	0.58
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	2	0.58
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	11	0.58
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	11	0.58
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	11	0.58
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	20	0.58
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	20	0.58
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	20	0.58
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	18	0.57
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	18	0.57
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	18	0.57
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	18	0.57
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	18	0.57
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	18	0.57
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	18	0.57
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	18	0.57
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	18	0.57
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	18	0.57
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	18	0.57
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	18	0.57
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	18	0.57
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	18	0.57
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	18	0.57
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	18	0.57
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	18	0.57
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	18	0.57
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	6	0.57
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	6	0.57
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	6	0.57
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	6	0.57
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	6	0.57
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	1	0.57
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	1	0.57
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	1	0.57
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	4	0.57
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	4	0.57
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	4	0.57
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	13	0.57
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	13	0.57
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	13	0.57
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	1	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	10	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	10	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	10	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	16	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	16	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	16	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	17	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	17	0.57
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	17	0.57
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	19	0.57
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	19	0.57
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	19	0.57
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	15	0.57
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	15	0.57
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	15	0.57
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	13	0.57
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	13	0.57
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	13	0.57
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	1	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	10	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	10	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	10	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	16	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	16	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	16	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	17	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	17	0.57
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	17	0.57
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	15	0.56
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	15	0.56
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	3	0.56
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	3	0.56
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	3	0.56
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	3	0.56
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	3	0.56
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	3	0.56
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	8	0.56
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	8	0.56
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	8	0.56
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	17	0.56
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	17	0.56
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	17	0.56
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	4	0.56
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	20	0.56
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	1	0.56
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	1	0.56
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	1	0.56
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	3	0.56
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	3	0.56
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	3	0.56
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	3	0.56
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	3	0.56
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	3	0.56
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	8	0.56
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	8	0.56
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	8	0.56
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	17	0.56
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	17	0.56
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	17	0.56
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	4	0.56
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	20	0.56
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	7	0.55
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	7	0.55
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	7	0.55
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	7	0.55
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	7	0.55
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	7	0.55
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	3	0.55
(1,5148)	1:3:A:PHE:HD1	1:2:A:SER:HB2	15	0.55
(1,5148)	1:3:A:PHE:HD2	1:2:A:SER:HB2	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	6	0.55
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	6	0.55
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	6	0.55
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	17	0.55
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	17	0.55
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	17	0.55
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	7	0.55
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	7	0.55
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	7	0.55
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	7	0.55
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	7	0.55
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	7	0.55
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	3	0.55
(1,26)	1:3:A:PHE:HD1	1:2:A:SER:HB2	15	0.55
(1,26)	1:3:A:PHE:HD2	1:2:A:SER:HB2	15	0.55
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD11	18	0.54
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD12	18	0.54
(1,7637)	1:80:A:LEU:HD11	1:79:A:LEU:HD13	18	0.54
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD11	18	0.54
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD12	18	0.54
(1,7637)	1:80:A:LEU:HD12	1:79:A:LEU:HD13	18	0.54
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD11	18	0.54
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD12	18	0.54
(1,7637)	1:80:A:LEU:HD13	1:79:A:LEU:HD13	18	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	7	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	7	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	7	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	7	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	7	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	7	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	7	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	7	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	7	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	7	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	7	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	7	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	7	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	7	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	7	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	7	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	7	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	10	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	10	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	10	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	10	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	10	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	10	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	10	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	10	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	10	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	10	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	10	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	10	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	10	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	10	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	10	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	10	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	10	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	10	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	16	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	16	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	16	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	16	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	16	0.54
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	16	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	16	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	16	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	16	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	16	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	16	0.54
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	16	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	16	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	16	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	16	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	16	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	16	0.54
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	16	0.54
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	3	0.54
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	3	0.54
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	3	0.54
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	1	0.54
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	1	0.54
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	6	0.54
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	6	0.54
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	6	0.54
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	18	0.54
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	18	0.54
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	18	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	1	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	1	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	1	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	6	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	6	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	6	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	18	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	18	0.54
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	18	0.54
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	5	0.54
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	5	0.54
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	5	0.54
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG21	11	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	11	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	11	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	11	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	13	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	13	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	13	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	18	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	18	0.54
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	18	0.54
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	1	0.54
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	1	0.54
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	1	0.54
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	6	0.54
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	6	0.54
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	6	0.54
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	18	0.54
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	18	0.54
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	18	0.54
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	1	0.54
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	1	0.54
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	1	0.54
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	6	0.54
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	6	0.54
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	18	0.54
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	18	0.54
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	18	0.54
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	5	0.54
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	5	0.54
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	5	0.54
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	2	0.53
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	2	0.53
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	2	0.53
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	4	0.53
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	4	0.53
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	4	0.53
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	5	0.53
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	5	0.53
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	5	0.53
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	13	0.53
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	13	0.53
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	13	0.53
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	14	0.53
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	14	0.53
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	14	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	2	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	2	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	2	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	4	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	4	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	4	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	5	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	5	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	5	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	13	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	13	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	13	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	14	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	14	0.53
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	14	0.53
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	19	0.53
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	19	0.53
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	19	0.53
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	1	0.53
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	7	0.53
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	7	0.53
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	7	0.53
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	7	0.53
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	7	0.53
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	7	0.53
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	2	0.53
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	2	0.53
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	2	0.53
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	2	0.53
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	4	0.53
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	4	0.53
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	4	0.53
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	5	0.53
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	5	0.53
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	5	0.53
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	13	0.53
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	13	0.53
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	13	0.53
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	14	0.53
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	14	0.53
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	14	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	2	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	2	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	2	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	4	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	4	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	4	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	5	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	5	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	5	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	13	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	13	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	13	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	14	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	14	0.53
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	14	0.53
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	19	0.53
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	19	0.53
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	19	0.53
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	1	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	1	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	1	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	1	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	1	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	1	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	1	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	1	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	1	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	1	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	1	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	1	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	1	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	1	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	1	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	1	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	1	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	3	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	3	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	3	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	3	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	3	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	3	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	3	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	3	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	3	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	3	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	3	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	3	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	3	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	3	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	3	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	3	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	3	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	3	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	5	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	5	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	5	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	5	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	5	0.52
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	5	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	5	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	5	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	5	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	5	0.52
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	5	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	5	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	5	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	5	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	5	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	5	0.52
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	5	0.52
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	12	0.52
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	12	0.52
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	12	0.52
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	12	0.52
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	12	0.52
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	12	0.52
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	17	0.52
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	17	0.52
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	17	0.52
(1,6475)	1:64:A:ALA:H	1:60:A:SER:HB3	20	0.52
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD11	8	0.52
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD12	8	0.52
(1,5351)	1:15:A:SER:H	1:22:A:ILE:HD13	8	0.52
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	4	0.52
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	4	0.52
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	4	0.52
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	2	0.52
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	11	0.52
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	11	0.52
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	11	0.52
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	11	0.52
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	11	0.52
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	11	0.52
(1,2338)	1:3:B:PHE:HD1	1:2:B:SER:HB2	9	0.52
(1,2338)	1:3:B:PHE:HD2	1:2:B:SER:HB2	9	0.52
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	12	0.52
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	12	0.52
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	12	0.52
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	12	0.52
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	12	0.52
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	12	0.52
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	17	0.52
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	17	0.52
(1,1353)	1:64:A:ALA:H	1:60:A:SER:HB3	20	0.52
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD11	8	0.52
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD12	8	0.52
(1,229)	1:15:A:SER:H	1:22:A:ILE:HD13	8	0.52
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	4	0.52
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	4	0.52
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	4	0.52
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	10	0.51
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	10	0.51
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	10	0.51
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	11	0.51
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	11	0.51
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	11	0.51
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	15	0.51
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	15	0.51
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	15	0.51
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	19	0.51
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	19	0.51
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	19	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	10	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	10	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	10	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	11	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	11	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	11	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	15	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	15	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	15	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	19	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	19	0.51
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	19	0.51
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	19	0.51
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	19	0.51
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	19	0.51
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	19	0.51
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	19	0.51
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	19	0.51
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD11	2	0.51
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD12	2	0.51
(1,2541)	1:15:B:SER:H	1:22:B:ILE:HD13	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	5	0.51
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	9	0.51
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	9	0.51
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	9	0.51
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	10	0.51
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	10	0.51
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	10	0.51
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	11	0.51
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	11	0.51
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	11	0.51
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	15	0.51
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	15	0.51
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	15	0.51
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	19	0.51
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	19	0.51
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	19	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	10	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	10	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	10	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	11	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	11	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	11	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	15	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	15	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	15	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	19	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	19	0.51
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	19	0.51
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	19	0.5
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	19	0.5
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	19	0.5
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	19	0.5
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	19	0.5
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	19	0.5
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	19	0.5
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	19	0.5
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	19	0.5
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	19	0.5
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	19	0.5
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	19	0.5
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	19	0.5
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	19	0.5
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	19	0.5
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	19	0.5
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	19	0.5
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD11	12	0.5
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD12	12	0.5
(1,7560)	1:72:A:ALA:H	1:73:A:LEU:HD13	12	0.5
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	20	0.5
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	20	0.5
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	20	0.5
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	20	0.5
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	20	0.5
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	20	0.5
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	7	0.5
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	7	0.5
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	7	0.5
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	1	0.5
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	1	0.5
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	1	0.5
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	11	0.5
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	11	0.5
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	11	0.5
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	6	0.5
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	6	0.5
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	6	0.5
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	9	0.5
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	9	0.5
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	9	0.5
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	13	0.5
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	13	0.5
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	13	0.5
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	18	0.5
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	18	0.5
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	18	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	6	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	6	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	6	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	9	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	9	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	9	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	13	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	13	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	18	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	18	0.5
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	18	0.5
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	2	0.5
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	2	0.5
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	2	0.5
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	11	0.5
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	11	0.5
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	11	0.5
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	20	0.5
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	20	0.5
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	20	0.5
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	20	0.5
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	20	0.5
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	20	0.5
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	7	0.5
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	7	0.5
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	7	0.5
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	1	0.5
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	1	0.5
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	1	0.5
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	11	0.5
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	11	0.5
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	11	0.5
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	20	0.49
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	20	0.49
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	20	0.49
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	20	0.49
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	20	0.49
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	20	0.49
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	20	0.49
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	20	0.49
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	20	0.49
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	20	0.49
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	20	0.49
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	20	0.49
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	20	0.49
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	20	0.49
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	20	0.49
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	20	0.49
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	20	0.49
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	16	0.49
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	16	0.49
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	16	0.49
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	16	0.49
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	16	0.49
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	16	0.49
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	5	0.49
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	5	0.49
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	5	0.49
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	9	0.49
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	9	0.49
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	9	0.49
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	10	0.49
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	10	0.49
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	10	0.49
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	10	0.49
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	14	0.49
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	5	0.49
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	5	0.49
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	5	0.49
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	12	0.49
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	12	0.49
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	12	0.49
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	5	0.49
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	5	0.49
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	5	0.49
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	12	0.49
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	12	0.49
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	12	0.49
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	13	0.49
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	13	0.49
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	13	0.49
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	14	0.49
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	14	0.49
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	14	0.49
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	16	0.49
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	16	0.49
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	16	0.49
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	18	0.49
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	18	0.49
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	16	0.49
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	16	0.49
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	16	0.49
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	16	0.49
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	16	0.49
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	16	0.49
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	5	0.49
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	5	0.49
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	5	0.49
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	9	0.49
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	9	0.49
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	9	0.49
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	10	0.49
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	10	0.49
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	10	0.49
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	8	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	8	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	8	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	8	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	8	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	8	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	8	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	8	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	8	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	8	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	8	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	8	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	8	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	8	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	8	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	8	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	8	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	8	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	17	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	17	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	17	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	17	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	17	0.48
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	17	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	17	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	17	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	17	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	17	0.48
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	17	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	17	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	17	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	17	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	17	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	17	0.48
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	17	0.48
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE1	13	0.48
(1,7575)	1:73:A:LEU:HD21	1:43:A:PHE:HE2	13	0.48
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE1	13	0.48
(1,7575)	1:73:A:LEU:HD22	1:43:A:PHE:HE2	13	0.48
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE1	13	0.48
(1,7575)	1:73:A:LEU:HD23	1:43:A:PHE:HE2	13	0.48
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	9	0.48
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	9	0.48
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	9	0.48
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	9	0.48
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	9	0.48
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	9	0.48
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	14	0.48
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	14	0.48
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	14	0.48
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	20	0.48
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	20	0.48
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	20	0.48
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	4	0.48
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	15	0.48
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	3	0.48
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	3	0.48
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	3	0.48
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	20	0.48
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	20	0.48
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	20	0.48
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	10	0.48
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	10	0.48
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	1	0.48
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	15	0.48
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	19	0.48
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	5	0.48
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	5	0.48
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	8	0.48
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	8	0.48
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	8	0.48
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	9	0.48
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	9	0.48
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	9	0.48
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	9	0.48
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	9	0.48
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	9	0.48
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	14	0.48
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	14	0.48
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	14	0.48
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	20	0.48
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	20	0.48
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	20	0.48
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	6	0.47
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	6	0.47
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	6	0.47
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	19	0.47
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	19	0.47
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	19	0.47
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	15	0.47
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	16	0.47
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	6	0.47
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	6	0.47
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	6	0.47
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	19	0.47
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	19	0.47
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	19	0.47
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	15	0.47
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	8	0.46
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	8	0.46
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	8	0.46
(1,7298)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	17	0.46
(1,7298)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	17	0.46
(1,7298)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	17	0.46
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	8	0.46
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	8	0.46
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	8	0.46
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	17	0.46
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7220)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	17	0.46
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	3	0.46
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	3	0.46
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	3	0.46
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	4	0.46
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	4	0.46
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	4	0.46
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	11	0.46
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	3	0.46
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	3	0.46
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	3	0.46
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	3	0.46
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	3	0.46
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	3	0.46
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	4	0.46
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	4	0.46
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	4	0.46
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	15	0.46
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	15	0.46
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	15	0.46
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	17	0.46
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	17	0.46
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	17	0.46
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	7	0.46
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	20	0.46
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	1	0.46
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	1	0.46
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	1	0.46
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	8	0.46
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	8	0.46
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	8	0.46
(1,2176)	1:105:A:ALA:HB1	1:102:A:LYS:HG2	17	0.46
(1,2176)	1:105:A:ALA:HB2	1:102:A:LYS:HG2	17	0.46
(1,2176)	1:105:A:ALA:HB3	1:102:A:LYS:HG2	17	0.46
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	8	0.46
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	8	0.46
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	8	0.46
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB1	17	0.46
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB2	17	0.46
(1,2098)	1:102:A:LYS:HG2	1:105:A:ALA:HB3	17	0.46
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	3	0.46
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	3	0.46
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	4	0.46
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	4	0.46
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	4	0.46
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	2	0.45
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	2	0.45
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	2	0.45
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	2	0.45
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	2	0.45
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	2	0.45
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	2	0.45
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	2	0.45
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	2	0.45
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	2	0.45
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	2	0.45
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	2	0.45
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	2	0.45
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	2	0.45
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	2	0.45
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	2	0.45
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	2	0.45
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	2	0.45
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	12	0.45
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	12	0.45
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	12	0.45
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	16	0.45
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	16	0.45
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	16	0.45
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	20	0.45
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	20	0.45
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	20	0.45
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	2	0.45
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	10	0.45
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE1	6	0.45
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE2	6	0.45
(1,5183)	1:6:A:VAL:H	1:59:A:MET:HE3	6	0.45
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	8	0.45
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	8	0.45
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	8	0.45
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	17	0.45
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	17	0.45
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	8	0.45
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	8	0.45
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	8	0.45
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	17	0.45
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	17	0.45
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	17	0.45
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	5	0.45
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	5	0.45
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	5	0.45
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	6	0.45
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	6	0.45
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	6	0.45
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	9	0.45
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	9	0.45
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	9	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	2	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	2	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	2	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	3	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	3	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	3	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	7	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	7	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	7	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	19	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	19	0.45
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	19	0.45
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	12	0.45
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	12	0.45
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	12	0.45
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	16	0.45
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	16	0.45
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	16	0.45
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	20	0.45
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	20	0.45
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	20	0.45
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	2	0.45
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	10	0.45
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE1	6	0.45
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE2	6	0.45
(1,61)	1:6:A:VAL:H	1:59:A:MET:HE3	6	0.45
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	9	0.44
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	9	0.44
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	9	0.44
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	9	0.44
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	9	0.44
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	9	0.44
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	9	0.44
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	9	0.44
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	9	0.44
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	9	0.44
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	9	0.44
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	9	0.44
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	9	0.44
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	9	0.44
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	9	0.44
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	9	0.44
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	9	0.44
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	8	0.44
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	8	0.44
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	8	0.44
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	8	0.44
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	8	0.44
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	8	0.44
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	8	0.44
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	8	0.44
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	8	0.44
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	8	0.44
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	8	0.44
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	8	0.44
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	2	0.44
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	2	0.44
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	2	0.44
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	15	0.44
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	15	0.44
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG23	20	0.44
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	16	0.44
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	16	0.44
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	16	0.44
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	16	0.44
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	16	0.44
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	16	0.44
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	7	0.44
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	7	0.44
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	16	0.44
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	16	0.44
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	16	0.44
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	2	0.44
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	2	0.44
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	2	0.44
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	15	0.44
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	15	0.44
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	11	0.43
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	11	0.43
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	11	0.43
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	13	0.43
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	13	0.43
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	13	0.43
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	18	0.43
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	18	0.43
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	18	0.43
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	8	0.43
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	3	0.43
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	4	0.43
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	4	0.43
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	4	0.43
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	4	0.43
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	4	0.43
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	4	0.43
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	18	0.43
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	18	0.43
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	18	0.43
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	4	0.43
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	4	0.43
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	17	0.43
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	17	0.43
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	20	0.43
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	20	0.43
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	11	0.43
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	11	0.43
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	11	0.43
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	13	0.43
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	13	0.43
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	18	0.43
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	18	0.43
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	18	0.43
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	8	0.43
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	3	0.43
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	15	0.42
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	15	0.42
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	15	0.42
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	11	0.42
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	7	0.42
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	17	0.42
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	1	0.42
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	1	0.42
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	1	0.42
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	20	0.42
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	20	0.42
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	20	0.42
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	1	0.42
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	1	0.42
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	1	0.42
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	20	0.42
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	20	0.42
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	20	0.42
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	1	0.42
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	1	0.42
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	1	0.42
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	8	0.42
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	8	0.42
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	8	0.42
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	10	0.42
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	10	0.42
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	10	0.42
(1,4012)	1:77:B:LEU:HD11	1:73:B:LEU:HG	12	0.42
(1,4012)	1:77:B:LEU:HD12	1:73:B:LEU:HG	12	0.42
(1,4012)	1:77:B:LEU:HD13	1:73:B:LEU:HG	12	0.42
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	8	0.42
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	8	0.42
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	15	0.42
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	15	0.42
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	4	0.42
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	8	0.42
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	15	0.42
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	17	0.42
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	19	0.42
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	15	0.42
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	15	0.42
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	15	0.42
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	11	0.42
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	7	0.42
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	17	0.42
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	12	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	12	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	12	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	12	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	12	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	12	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	12	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	12	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	12	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	12	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	12	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	12	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	12	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	12	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	12	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	12	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	12	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	12	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	13	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	13	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	13	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	13	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	13	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	13	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	13	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	13	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	13	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	13	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	13	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	13	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	13	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	13	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	13	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	13	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	13	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	14	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	14	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	14	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	14	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	14	0.41
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	14	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	14	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	14	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	14	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	14	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	14	0.41
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	14	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	14	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	14	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	14	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	14	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	14	0.41
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	14	0.41
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	12	0.41
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	12	0.41
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	12	0.41
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	11	0.41
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	11	0.41
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	15	0.41
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	5	0.41
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	20	0.41
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	12	0.41
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	12	0.41
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	12	0.41
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	11	0.41
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	11	0.41
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	15	0.41
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	9	0.4
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	13	0.4
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG22	8	0.4
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	3	0.4
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	7	0.4
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	13	0.4
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG22	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	2	0.4
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	2	0.4
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	2	0.4
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	2	0.4
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	2	0.4
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	2	0.4
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE1	6	0.4
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE2	6	0.4
(1,2381)	1:6:B:VAL:H	1:59:B:MET:HE3	6	0.4
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	9	0.4
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	13	0.4
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	6	0.39
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	6	0.39
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	6	0.39
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	6	0.39
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	6	0.39
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	6	0.39
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	6	0.39
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	6	0.39
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	6	0.39
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	6	0.39
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	6	0.39
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	6	0.39
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	6	0.39
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	6	0.39
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	6	0.39
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	6	0.39
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	6	0.39
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	6	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	1	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	1	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	1	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	14	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	14	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	14	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	16	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	16	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	16	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	17	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	17	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	17	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	20	0.39
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	20	0.39
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	6	0.39
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG21	13	0.39
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG22	16	0.39
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	7	0.39
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	15	0.39
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	15	0.39
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	15	0.39
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	19	0.39
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	19	0.39
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	19	0.39
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	5	0.39
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	5	0.39
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	19	0.39
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	19	0.39
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	18	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	1	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	1	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	1	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	14	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	14	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	14	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	16	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	16	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	16	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	17	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	17	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	17	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	20	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	20	0.39
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	20	0.39
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	6	0.39
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	5	0.38
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	5	0.38
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	5	0.38
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	5	0.38
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	5	0.38
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	5	0.38
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	5	0.38
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	5	0.38
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	5	0.38
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	5	0.38
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	5	0.38
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	12	0.38
(1,6822)	1:77:A:LEU:HD11	1:73:A:LEU:HG	1	0.38
(1,6822)	1:77:A:LEU:HD12	1:73:A:LEU:HG	1	0.38
(1,6822)	1:77:A:LEU:HD13	1:73:A:LEU:HG	1	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	3	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	3	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	3	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	4	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	4	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	4	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	6	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	6	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	6	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	7	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	7	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	7	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	8	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	8	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	8	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	11	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	11	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	11	0.38
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	2	0.38
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	12	0.38
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	10	0.38
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	10	0.38
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	10	0.38
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	14	0.38
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	14	0.38
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	14	0.38
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	10	0.38
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	10	0.38
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	10	0.38
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	14	0.38
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	14	0.38
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	14	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	1	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	1	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	2	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	2	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	2	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	3	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	3	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	3	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	7	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	7	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	7	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	16	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	16	0.38
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	16	0.38
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	3	0.38
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	11	0.38
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	13	0.38
(1,1700)	1:77:A:LEU:HD11	1:73:A:LEU:HG	1	0.38
(1,1700)	1:77:A:LEU:HD12	1:73:A:LEU:HG	1	0.38
(1,1700)	1:77:A:LEU:HD13	1:73:A:LEU:HG	1	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	3	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	3	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	3	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	4	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	4	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	4	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	6	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	6	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	6	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	7	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	7	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	7	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	8	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	8	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	8	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	11	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	11	0.38
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	11	0.38
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	2	0.38
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	12	0.38
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	2	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	2	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	2	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	9	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	9	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	18	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	18	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	18	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	19	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	19	0.37
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	19	0.37
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	14	0.37
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	17	0.37
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	2	0.37
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	18	0.37
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	17	0.37
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	5	0.37
(1,4487)	1:105:B:ALA:HB1	1:102:B:LYS:HG2	15	0.37
(1,4487)	1:105:B:ALA:HB2	1:102:B:LYS:HG2	15	0.37
(1,4487)	1:105:B:ALA:HB3	1:102:B:LYS:HG2	15	0.37
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB1	15	0.37
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB2	15	0.37
(1,4410)	1:102:B:LYS:HG2	1:105:B:ALA:HB3	15	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	4	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	4	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	4	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	8	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	8	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	8	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	9	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	9	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	9	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	11	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	11	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	11	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	14	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	14	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	14	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	17	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	17	0.37
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	17	0.37
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	1	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	2	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	2	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	9	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	9	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	9	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	18	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	18	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	18	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	19	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	19	0.37
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	19	0.37
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	14	0.37
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	17	0.37
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	2	0.37
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	18	0.37
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	9	0.36
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	9	0.36
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	9	0.36
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	9	0.36
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	9	0.36
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	9	0.36
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	9	0.36
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	9	0.36
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	9	0.36
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	9	0.36
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	9	0.36
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	9	0.36
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	15	0.36
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	15	0.36
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	15	0.36
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	6	0.36
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	13	0.36
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	14	0.36
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	9	0.36
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	5	0.36
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	7	0.36
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	20	0.36
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	6	0.36
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG23	8	0.36
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB1	13	0.36
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB2	13	0.36
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB3	13	0.36
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	12	0.36
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	12	0.36
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	13	0.36
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	13	0.36
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	13	0.36
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	20	0.36
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	20	0.36
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	20	0.36
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	13	0.36
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	16	0.36
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	15	0.36
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	15	0.36
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	15	0.36
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	6	0.36
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	13	0.36
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	14	0.36
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	9	0.36
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	5	0.36
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	2	0.35
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	2	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	12	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	12	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	12	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	12	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	12	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	12	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	12	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	12	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	12	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	12	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	12	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	12	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	14	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	14	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	14	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	14	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	14	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	14	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	14	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	14	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	14	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	14	0.35
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	14	0.35
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	8	0.35
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	6	0.35
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB1	5	0.35
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB2	5	0.35
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB3	5	0.35
(1,6402)	1:60:A:SER:HB3	1:59:A:MET:HA	20	0.35
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	10	0.35
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	10	0.35
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	10	0.35
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	13	0.35
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	13	0.35
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	13	0.35
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	3	0.35
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	9	0.35
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	20	0.35
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	15	0.35
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	19	0.35
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	6	0.35
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG21	12	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	5	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	5	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	5	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	6	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	6	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	6	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	10	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	10	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	10	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG21	18	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG22	18	0.35
(1,3160)	1:41:B:ASN:HB2	1:40:B:VAL:HG23	18	0.35
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	9	0.35
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	9	0.35
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	2	0.35
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	6	0.35
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	12	0.35
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	14	0.35
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	8	0.35
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	6	0.35
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB1	5	0.35
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB2	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB3	5	0.35
(1,1280)	1:60:A:SER:HB3	1:59:A:MET:HA	20	0.35
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	10	0.35
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	10	0.35
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	10	0.35
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	13	0.35
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	13	0.35
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	13	0.35
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	3	0.35
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	9	0.35
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	20	0.35
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	15	0.35
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	19	0.35
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	20	0.34
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	20	0.34
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	20	0.34
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	20	0.34
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	20	0.34
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	20	0.34
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	20	0.34
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	20	0.34
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	20	0.34
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	20	0.34
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	20	0.34
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	20	0.34
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	1	0.34
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	2	0.34
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	3	0.34
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	7	0.34
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	13	0.34
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	18	0.34
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	5	0.34
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	5	0.34
(1,5970)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	5	0.34
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	10	0.34
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	16	0.34
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	19	0.34
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG22	1	0.34
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG22	3	0.34
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	15	0.34
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	9	0.34
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	19	0.34
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB1	14	0.34
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB2	14	0.34
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB3	14	0.34
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB1	19	0.34
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB2	19	0.34
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB3	19	0.34
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	14	0.34
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	14	0.34
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	5	0.34
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	7	0.34
(1,3018)	1:33:B:VAL:H	1:34:B:GLY:H	9	0.34
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	11	0.34
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	11	0.34
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	11	0.34
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	4	0.34
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	1	0.34
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	2	0.34
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	3	0.34
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	7	0.34
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	13	0.34
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	18	0.34
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG21	5	0.34
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG22	5	0.34
(1,848)	1:41:A:ASN:HB2	1:40:A:VAL:HG23	5	0.34
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	10	0.34
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	16	0.34
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	19	0.34
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	6	0.33
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	6	0.33
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	6	0.33
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	6	0.33
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	6	0.33
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	6	0.33
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	6	0.33
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	6	0.33
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	6	0.33
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	6	0.33
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	6	0.33
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	6	0.33
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	5	0.33
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	19	0.33
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	10	0.33
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	14	0.33
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	17	0.33
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	12	0.33
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	4	0.33
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	5	0.33
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	7	0.33
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	7	0.33
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	8	0.33
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG22	14	0.33
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	10	0.33
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	5	0.33
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	11	0.33
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	11	0.33
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	18	0.33
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	18	0.33
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	5	0.33
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	17	0.33
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	19	0.33
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	10	0.33
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	14	0.33
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	17	0.33
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	12	0.33
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	4	0.33
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	5	0.33
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	7	0.33
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	7	0.33
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	8	0.33
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	2	0.32
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	2	0.32
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	4	0.32
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	11	0.32
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	12	0.32
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	1	0.32
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	3	0.32
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	7	0.32
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	12	0.32
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	13	0.32
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	15	0.32
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	18	0.32
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	2	0.32
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	2	0.32
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	1	0.32
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	8	0.32
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	17	0.32
(1,5828)	1:33:A:VAL:H	1:34:A:GLY:H	18	0.32
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	9	0.32
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	9	0.32
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	9	0.32
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	1	0.32
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	6	0.32
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	11	0.32
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	4	0.32
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG22	9	0.32
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	5	0.32
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	6	0.32
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	8	0.32
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	13	0.32
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	18	0.32
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	1	0.32
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	20	0.32
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB1	15	0.32
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB2	15	0.32
(1,3644)	1:63:B:GLU:HG2	1:64:B:ALA:HB3	15	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	4	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	5	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	7	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	11	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	12	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	13	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	16	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	19	0.32
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	20	0.32
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	15	0.32
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	15	0.32
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	15	0.32
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	11	0.32
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	17	0.32
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	4	0.32
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	11	0.32
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	12	0.32
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	3	0.32
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	7	0.32
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	12	0.32
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	13	0.32
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	15	0.32
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	18	0.32
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	14	0.32
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	2	0.32
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	2	0.32
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	1	0.32
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	8	0.32
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	17	0.32
(1,706)	1:33:A:VAL:H	1:34:A:GLY:H	18	0.32
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	9	0.32
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	9	0.32
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	9	0.32
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	1	0.32
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	6	0.32
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	11	0.32
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	11	0.31
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	11	0.31
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	11	0.31
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	11	0.31
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	11	0.31
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	11	0.31
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	11	0.31
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	11	0.31
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	11	0.31
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	11	0.31
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	11	0.31
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	11	0.31
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	11	0.31
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	11	0.31
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	11	0.31
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	11	0.31
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	11	0.31
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	11	0.31
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	10	0.31
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	14	0.31
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	15	0.31
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	16	0.31
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB1	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB2	7	0.31
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB3	7	0.31
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	2	0.31
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	6	0.31
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	12	0.31
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	14	0.31
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	12	0.31
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	12	0.31
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	12	0.31
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	13	0.31
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	9	0.31
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	15	0.31
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	3	0.31
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	3	0.31
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	1	0.31
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	1	0.31
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	7	0.31
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	7	0.31
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	7	0.31
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	12	0.31
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	10	0.31
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	14	0.31
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	15	0.31
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	16	0.31
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB1	7	0.31
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB2	7	0.31
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB3	7	0.31
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	2	0.31
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	6	0.31
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	12	0.31
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	14	0.31
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	12	0.31
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	12	0.31
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG11	15	0.3
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG12	15	0.3
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG13	15	0.3
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG21	15	0.3
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG22	15	0.3
(1,7636)	1:80:A:LEU:HD11	1:33:A:VAL:HG23	15	0.3
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG11	15	0.3
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG12	15	0.3
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG13	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG21	15	0.3
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG22	15	0.3
(1,7636)	1:80:A:LEU:HD12	1:33:A:VAL:HG23	15	0.3
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG11	15	0.3
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG12	15	0.3
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG13	15	0.3
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG21	15	0.3
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG22	15	0.3
(1,7636)	1:80:A:LEU:HD13	1:33:A:VAL:HG23	15	0.3
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	9	0.3
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	12	0.3
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	2	0.3
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	15	0.3
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	5	0.3
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	8	0.3
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	9	0.3
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	16	0.3
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	19	0.3
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	9	0.3
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	13	0.3
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	13	0.3
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	13	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	2	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	3	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	4	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	5	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	6	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	10	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	11	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	15	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	17	0.3
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	20	0.3
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	12	0.3
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	12	0.3
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	16	0.3
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	17	0.3
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	14	0.3
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	16	0.3
(1,4188)	1:89:B:ASP:H	1:88:B:VAL:HB	18	0.3
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	3	0.3
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	15	0.3
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	2	0.3
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	14	0.3
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	2	0.3
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	1	0.3
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	1	0.3
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	12	0.3
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	12	0.3
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	18	0.3
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	18	0.3
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	2	0.3
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	2	0.3
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	2	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	1	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	2	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	5	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	6	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	7	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	11	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	13	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	15	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	16	0.3
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	20	0.3
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	14	0.3
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	12	0.3
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	2	0.3
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	15	0.3
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	5	0.3
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	8	0.3
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	9	0.3
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	16	0.3
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	19	0.3
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	9	0.3
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	13	0.3
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	13	0.3
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	13	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	2	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	3	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	4	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	5	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	6	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	10	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	15	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	17	0.3
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	20	0.3
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	12	0.3
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	19	0.29
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	18	0.29
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	20	0.29
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	5	0.29
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	6	0.29
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	10	0.29
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	12	0.29
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	15	0.29
(1,6998)	1:89:A:ASP:H	1:88:A:VAL:HB	10	0.29
(1,6994)	1:89:A:ASP:H	1:87:A:ALA:HA	2	0.29
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	12	0.29
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	11	0.29
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	3	0.29
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	7	0.29
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	19	0.29
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	20	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	3	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	3	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	9	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	9	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	10	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	10	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	16	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	16	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	20	0.29
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	20	0.29
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	16	0.29
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	16	0.29
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	3	0.29
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	3	0.29
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	3	0.29
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	11	0.29
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	11	0.29
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	11	0.29
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	12	0.29
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	12	0.29
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	12	0.29
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	15	0.29
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	15	0.29
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	1	0.29
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	8	0.29
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	19	0.29
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	4	0.29
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG21	18	0.29
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG23	18	0.29
(1,4710)	1:66:B:VAL:HG11	1:66:A:VAL:HG22	19	0.29
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	3	0.29
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	15	0.29
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	2	0.29
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	5	0.29
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	10	0.29
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	1	0.29
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	3	0.29
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	8	0.29
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	9	0.29
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	11	0.29
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	12	0.29
(1,4188)	1:89:B:ASP:H	1:88:B:VAL:HB	11	0.29
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	1	0.29
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	1	0.29
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	3	0.29
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	6	0.29
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	17	0.29
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	18	0.29
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	15	0.29
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	1	0.29
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	6	0.29
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	13	0.29
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	16	0.29
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	6	0.29
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	6	0.29
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	7	0.29
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	7	0.29
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	16	0.29
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	16	0.29
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	16	0.29
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	17	0.29
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	16	0.29
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	3	0.29
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	8	0.29
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	9	0.29
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	18	0.29
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	18	0.29
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	20	0.29
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	5	0.29
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	6	0.29
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	10	0.29
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	12	0.29
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	15	0.29
(1,1876)	1:89:A:ASP:H	1:88:A:VAL:HB	10	0.29
(1,1872)	1:89:A:ASP:H	1:87:A:ALA:HA	2	0.29
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	12	0.29
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	11	0.29
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	3	0.29
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	7	0.29
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	19	0.29
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	20	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	3	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	3	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	9	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	9	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	10	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	10	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	16	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	16	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	20	0.29
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	20	0.29
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	16	0.29
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	16	0.29
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	3	0.29
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	3	0.29
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	3	0.29
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	11	0.29
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	11	0.29
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	11	0.29
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	12	0.29
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	12	0.29
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	12	0.29
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	15	0.29
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	15	0.29
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	1	0.29
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	8	0.29
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	19	0.29
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	4	0.29
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	18	0.28
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	18	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	3	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	4	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	5	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	6	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	11	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	13	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	14	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	15	0.28
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	9	0.28
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	20	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	2	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	3	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	4	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	7	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	9	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	11	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	13	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	14	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	18	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	19	0.28
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	20	0.28
(1,6998)	1:89:A:ASP:H	1:88:A:VAL:HB	12	0.28
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	20	0.28
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	15	0.28
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	1	0.28
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	8	0.28
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	17	0.28
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	18	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	4	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	4	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	5	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	5	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	6	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	6	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	7	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	14	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	14	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	19	0.28
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	19	0.28
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	7	0.28
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	12	0.28
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	14	0.28
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	18	0.28
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	14	0.28
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	2	0.28
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	20	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	2	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	4	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	5	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	6	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	7	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	10	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	13	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	14	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	15	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	16	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	17	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	18	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	19	0.28
(1,4320)	1:97:B:SER:H	1:98:B:ASN:HA	20	0.28
(1,4188)	1:89:B:ASP:H	1:88:B:VAL:HB	1	0.28
(1,4188)	1:89:B:ASP:H	1:88:B:VAL:HB	4	0.28
(1,4188)	1:89:B:ASP:H	1:88:B:VAL:HB	12	0.28
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	4	0.28
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	12	0.28
(1,3455)	1:53:B:ASN:H	1:54:B:LEU:HA	8	0.28
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	18	0.28
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	20	0.28
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	2	0.28
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	2	0.28
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB2	13	0.28
(1,3027)	1:34:B:GLY:H	1:35:B:ARG:HB3	13	0.28
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	8	0.28
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	8	0.28
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	1	0.28
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	1	0.28
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	14	0.28
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	19	0.28
(1,2476)	1:11:B:ASN:HD21	1:57:B:SER:HA	11	0.28
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	3	0.28
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	4	0.28
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	5	0.28
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	6	0.28
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	11	0.28
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	13	0.28
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	14	0.28
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	15	0.28
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	9	0.28
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	20	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	2	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	3	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	4	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	7	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	9	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	11	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	13	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	14	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	18	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	19	0.28
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	20	0.28
(1,1876)	1:89:A:ASP:H	1:88:A:VAL:HB	12	0.28
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	20	0.28
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	15	0.28
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	1	0.28
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	8	0.28
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	17	0.28
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	18	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	4	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	4	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	5	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	5	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	6	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	6	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	7	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	7	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	14	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	19	0.28
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	19	0.28
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	7	0.28
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	12	0.28
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	14	0.28
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	18	0.28
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	14	0.28
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	1	0.27
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	2	0.27
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	7	0.27
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	10	0.27
(1,7408)	1:108:A:LEU:H	1:109:A:ALA:HA	19	0.27
(1,7397)	1:108:A:LEU:H	1:104:A:VAL:HB	6	0.27
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	5	0.27
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	9	0.27
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	12	0.27
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	13	0.27
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	14	0.27
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	1	0.27
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	8	0.27
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	16	0.27
(1,7130)	1:97:A:SER:H	1:98:A:ASN:HA	17	0.27
(1,6998)	1:89:A:ASP:H	1:88:A:VAL:HB	15	0.27
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	10	0.27
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	2	0.27
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	4	0.27
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	10	0.27
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	1	0.27
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	1	0.27
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	8	0.27
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	8	0.27
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	18	0.27
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	18	0.27
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB1	20	0.27
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB2	20	0.27
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB3	20	0.27
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	2	0.27
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	2	0.27
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	2	0.27
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	4	0.27
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	4	0.27
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	13	0.27
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	13	0.27
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	13	0.27
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	14	0.27
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	14	0.27
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	14	0.27
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	19	0.27
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	19	0.27
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	19	0.27
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	20	0.27
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	20	0.27
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	20	0.27
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	5	0.27
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	1	0.27
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	10	0.27
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	10	0.27
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	14	0.27
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	14	0.27
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	6	0.27
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	17	0.27
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	18	0.27
(1,4188)	1:89:B:ASP:H	1:88:B:VAL:HB	3	0.27
(1,4188)	1:89:B:ASP:H	1:88:B:VAL:HB	15	0.27
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	11	0.27
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	18	0.27
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	10	0.27
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	3	0.27
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	7	0.27
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	9	0.27
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	11	0.27
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	14	0.27
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	4	0.27
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	10	0.27
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	17	0.27
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	3	0.27
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	10	0.27
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	13	0.27
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	3	0.27
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	10	0.27
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	13	0.27
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	5	0.27
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	5	0.27
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	10	0.27
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	10	0.27
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	10	0.27
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	16	0.27
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	16	0.27
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	16	0.27
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	18	0.27
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	18	0.27
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	18	0.27
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	4	0.27
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	10	0.27
(1,2536)	1:15:B:SER:H	1:14:B:ARG:HD2	16	0.27
(1,2536)	1:15:B:SER:H	1:14:B:ARG:HD3	16	0.27
(1,2476)	1:11:B:ASN:HD21	1:57:B:SER:HA	12	0.27
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	1	0.27
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	2	0.27
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	7	0.27
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	10	0.27
(1,2286)	1:108:A:LEU:H	1:109:A:ALA:HA	19	0.27
(1,2275)	1:108:A:LEU:H	1:104:A:VAL:HB	6	0.27
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	5	0.27
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	9	0.27
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	12	0.27
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	13	0.27
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	14	0.27
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	1	0.27
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	8	0.27
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	16	0.27
(1,2008)	1:97:A:SER:H	1:98:A:ASN:HA	17	0.27
(1,1876)	1:89:A:ASP:H	1:88:A:VAL:HB	15	0.27
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	10	0.27
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	2	0.27
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	4	0.27
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	10	0.27
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	1	0.27
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	1	0.27
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	8	0.27
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	8	0.27
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	18	0.27
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	18	0.27
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB1	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB2	20	0.27
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB3	20	0.27
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	2	0.27
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	2	0.27
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	2	0.27
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	4	0.27
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	4	0.27
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	4	0.27
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	13	0.27
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	13	0.27
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	13	0.27
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	14	0.27
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	14	0.27
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	14	0.27
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	19	0.27
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	19	0.27
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	19	0.27
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	20	0.27
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	20	0.27
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	20	0.27
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD11	13	0.26
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD12	13	0.26
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD13	13	0.26
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD11	13	0.26
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD12	13	0.26
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD13	13	0.26
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD21	13	0.26
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD22	13	0.26
(1,7537)	1:43:A:PHE:HE1	1:73:A:LEU:HD23	13	0.26
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD21	13	0.26
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD22	13	0.26
(1,7537)	1:43:A:PHE:HE2	1:73:A:LEU:HD23	13	0.26
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	5	0.26
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	7	0.26
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	8	0.26
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	16	0.26
(1,6998)	1:89:A:ASP:H	1:88:A:VAL:HB	2	0.26
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB1	18	0.26
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB2	18	0.26
(1,6454)	1:63:A:GLU:HG2	1:64:A:ALA:HB3	18	0.26
(1,6265)	1:53:A:ASN:H	1:54:A:LEU:HA	4	0.26
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	16	0.26
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB2	17	0.26
(1,5837)	1:34:A:GLY:H	1:35:A:ARG:HB3	17	0.26
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	2	0.26
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	8	0.26
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	12	0.26
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	17	0.26
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	20	0.26
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	2	0.26
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	8	0.26
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	12	0.26
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	17	0.26
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	20	0.26
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	5	0.26
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	5	0.26
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	5	0.26
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	6	0.26
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	6	0.26
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	6	0.26
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	10	0.26
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	10	0.26
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	10	0.26
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	9	0.26
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	18	0.26
(1,5286)	1:11:A:ASN:HD21	1:57:A:SER:HA	13	0.26
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	13	0.26
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	16	0.26
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	20	0.26
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG21	19	0.26
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	4	0.26
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	8	0.26
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	8	0.26
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	8	0.26
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	11	0.26
(1,4184)	1:89:B:ASP:H	1:87:B:ALA:HA	12	0.26
(1,4184)	1:89:B:ASP:H	1:87:B:ALA:HA	15	0.26
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	12	0.26
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	5	0.26
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	7	0.26
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	7	0.26
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	3	0.26
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	3	0.26
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	4	0.26
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	4	0.26
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	4	0.26
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	7	0.26
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	8	0.26
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	16	0.26
(1,1876)	1:89:A:ASP:H	1:88:A:VAL:HB	2	0.26
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB1	18	0.26
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB2	18	0.26
(1,1332)	1:63:A:GLU:HG2	1:64:A:ALA:HB3	18	0.26
(1,1143)	1:53:A:ASN:H	1:54:A:LEU:HA	4	0.26
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	5	0.26
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	16	0.26
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB2	17	0.26
(1,715)	1:34:A:GLY:H	1:35:A:ARG:HB3	17	0.26
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	2	0.26
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	8	0.26
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	12	0.26
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	17	0.26
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	20	0.26
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	2	0.26
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	8	0.26
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	12	0.26
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	17	0.26
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	20	0.26
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	5	0.26
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	5	0.26
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	5	0.26
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	6	0.26
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	6	0.26
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	6	0.26
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	10	0.26
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	10	0.26
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	10	0.26
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	9	0.26
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	18	0.26
(1,164)	1:11:A:ASN:HD21	1:57:A:SER:HA	13	0.26
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	13	0.26
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	16	0.26
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	20	0.26
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	3	0.25
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	8	0.25
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	8	0.25
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	15	0.25
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	15	0.25
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	2	0.25
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	3	0.25
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	17	0.25
(1,6994)	1:89:A:ASP:H	1:87:A:ALA:HA	15	0.25
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	7	0.25
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	7	0.25
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	1	0.25
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	1	0.25
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	1	0.25
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	10	0.25
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	10	0.25
(1,4588)	1:108:B:LEU:H	1:104:B:VAL:HB	14	0.25
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	1	0.25
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	1	0.25
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	3	0.25
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	4	0.25
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	11	0.25
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	19	0.25
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	4	0.25
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	19	0.25
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	4	0.25
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	19	0.25
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	6	0.25
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	6	0.25
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	6	0.25
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	13	0.25
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	13	0.25
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	13	0.25
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	19	0.25
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	19	0.25
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	19	0.25
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	20	0.25
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	20	0.25
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	20	0.25
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	14	0.25
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	8	0.25
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	15	0.25
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	15	0.25
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	2	0.25
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	3	0.25
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	17	0.25
(1,1872)	1:89:A:ASP:H	1:87:A:ALA:HA	15	0.25
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	7	0.25
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	7	0.25
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	1	0.25
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	1	0.25
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	1	0.25
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	10	0.25
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	14	0.24
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	14	0.24
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	13	0.24
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	10	0.24
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	10	0.24
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	1	0.24
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	4	0.24
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	10	0.24
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	11	0.24
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	15	0.24
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	18	0.24
(1,6994)	1:89:A:ASP:H	1:87:A:ALA:HA	12	0.24
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	11	0.24
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	14	0.24
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	14	0.24
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	7	0.24
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	7	0.24
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	7	0.24
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	18	0.24
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	18	0.24
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	18	0.24
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	13	0.24
(1,5371)	1:17:A:GLN:HA	1:16:A:PRO:HB3	16	0.24
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD2	9	0.24
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD3	9	0.24
(1,5286)	1:11:A:ASN:HD21	1:57:A:SER:HA	16	0.24
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	2	0.24
(1,4958)	1:66:A:VAL:HG11	1:66:B:VAL:HG23	10	0.24
(1,4646)	1:13:B:LEU:HA	1:100:A:VAL:HG21	6	0.24
(1,4646)	1:13:B:LEU:HA	1:100:A:VAL:HG22	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4646)	1:13:B:LEU:HA	1:100:A:VAL:HG23	6	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	2	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	2	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	4	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	4	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	16	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	16	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	17	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	17	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	20	0.24
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	20	0.24
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	7	0.24
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	19	0.24
(1,4184)	1:89:B:ASP:H	1:87:B:ALA:HA	3	0.24
(1,4184)	1:89:B:ASP:H	1:87:B:ALA:HA	4	0.24
(1,3733)	1:66:B:VAL:H	1:67:B:GLU:HG2	10	0.24
(1,3733)	1:66:B:VAL:H	1:67:B:GLU:HG3	10	0.24
(1,3733)	1:66:B:VAL:H	1:67:B:GLU:HG2	19	0.24
(1,3733)	1:66:B:VAL:H	1:67:B:GLU:HG3	19	0.24
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	5	0.24
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	8	0.24
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	17	0.24
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	19	0.24
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	2	0.24
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	11	0.24
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	15	0.24
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	20	0.24
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	2	0.24
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	11	0.24
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	15	0.24
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	20	0.24
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	9	0.24
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	9	0.24
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	9	0.24
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	12	0.24
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	12	0.24
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	12	0.24
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	12	0.24
(1,2561)	1:17:B:GLN:HA	1:16:B:PRO:HB3	17	0.24
(1,2468)	1:11:B:ASN:HB3	1:57:B:SER:HA	11	0.24
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	11	0.24
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	13	0.24
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	15	0.24
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	10	0.24
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	10	0.24
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	1	0.24
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	4	0.24
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	10	0.24
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	11	0.24
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	15	0.24
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	18	0.24
(1,1872)	1:89:A:ASP:H	1:87:A:ALA:HA	12	0.24
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	11	0.24
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	14	0.24
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	14	0.24
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	7	0.24
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	7	0.24
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	7	0.24
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	18	0.24
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	18	0.24
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	18	0.24
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	13	0.24
(1,249)	1:17:A:GLN:HA	1:16:A:PRO:HB3	16	0.24
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD2	9	0.24
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD3	9	0.24
(1,164)	1:11:A:ASN:HD21	1:57:A:SER:HA	16	0.24
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	10	0.23
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	10	0.23
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	15	0.23
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	15	0.23
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	9	0.23
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	9	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	6	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	6	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	9	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	9	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	11	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	11	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	12	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	12	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	13	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	13	0.23
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	20	0.23
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	3	0.23
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	16	0.23
(1,7156)	1:99:A:SER:H	1:100:A:VAL:HA	19	0.23
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	13	0.23
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	11	0.23
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	11	0.23
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	11	0.23
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	11	0.23
(1,5930)	1:40:A:VAL:H	1:38:A:VAL:HA	15	0.23
(1,5911)	1:39:A:ASP:H	1:33:A:VAL:HB	15	0.23
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	15	0.23
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	19	0.23
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	15	0.23
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	19	0.23
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	7	0.23
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	7	0.23
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	7	0.23
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	7	0.23
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	7	0.23
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	7	0.23
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	7	0.23
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	7	0.23
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	7	0.23
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	17	0.23
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	17	0.23
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	17	0.23
(1,5273)	1:11:A:ASN:HB2	1:57:A:SER:HA	12	0.23
(1,5195)	1:6:A:VAL:HB	1:3:A:PHE:HA	16	0.23
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	18	0.23
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	18	0.23
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	12	0.23
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	15	0.23
(1,4184)	1:89:B:ASP:H	1:87:B:ALA:HA	1	0.23
(1,4184)	1:89:B:ASP:H	1:87:B:ALA:HA	11	0.23
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	17	0.23
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	2	0.23
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	13	0.23
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	16	0.23
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	17	0.23
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	18	0.23
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	10	0.23
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	15	0.23
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	20	0.23
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	8	0.23
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	14	0.23
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	14	0.23
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	8	0.23
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	8	0.23
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	8	0.23
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	14	0.23
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	14	0.23
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	14	0.23
(1,2601)	1:18:B:ALA:HB1	1:19:B:LYS:HG2	17	0.23
(1,2601)	1:18:B:ALA:HB2	1:19:B:LYS:HG2	17	0.23
(1,2601)	1:18:B:ALA:HB3	1:19:B:LYS:HG2	17	0.23
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	2	0.23
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	3	0.23
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	9	0.23
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	9	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	6	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	6	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	9	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	9	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	11	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	11	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	12	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	12	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	13	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	13	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	20	0.23
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	20	0.23
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	3	0.23
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	16	0.23
(1,2034)	1:99:A:SER:H	1:100:A:VAL:HA	19	0.23
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	13	0.23
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	11	0.23
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	11	0.23
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	11	0.23
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	11	0.23
(1,808)	1:40:A:VAL:H	1:38:A:VAL:HA	15	0.23
(1,789)	1:39:A:ASP:H	1:33:A:VAL:HB	15	0.23
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	19	0.23
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	15	0.23
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	19	0.23
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	7	0.23
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	7	0.23
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	7	0.23
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	7	0.23
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	7	0.23
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	7	0.23
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	7	0.23
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	7	0.23
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	7	0.23
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	17	0.23
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	17	0.23
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	17	0.23
(1,151)	1:11:A:ASN:HB2	1:57:A:SER:HA	12	0.23
(1,73)	1:6:A:VAL:HB	1:3:A:PHE:HA	16	0.23
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	13	0.22
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	13	0.22
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	11	0.22
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	17	0.22
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	17	0.22
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	19	0.22
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	19	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	1	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	2	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	4	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	7	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	8	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	9	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	17	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	18	0.22
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	19	0.22
(1,6994)	1:89:A:ASP:H	1:87:A:ALA:HA	10	0.22
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	12	0.22
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	20	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	3	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	7	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	8	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	9	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	12	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	16	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	18	0.22
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	19	0.22
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	5	0.22
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	6	0.22
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	8	0.22
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	20	0.22
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	7	0.22
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	7	0.22
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	7	0.22
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	18	0.22
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	18	0.22
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	18	0.22
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	3	0.22
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	5	0.22
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	6	0.22
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	9	0.22
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	13	0.22
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	3	0.22
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	5	0.22
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	6	0.22
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	9	0.22
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	13	0.22
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	13	0.22
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	13	0.22
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	13	0.22
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	13	0.22
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	13	0.22
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	13	0.22
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	13	0.22
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	13	0.22
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	13	0.22
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	16	0.22
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	3	0.22
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	3	0.22
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	15	0.22
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	15	0.22
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	9	0.22
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	9	0.22
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	9	0.22
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	3	0.22
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	11	0.22
(1,4357)	1:99:B:SER:H	1:100:B:VAL:HA	9	0.22
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	12	0.22
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	1	0.22
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	10	0.22
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	10	0.22
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	10	0.22
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	10	0.22
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	10	0.22
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	10	0.22
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	10	0.22
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	10	0.22
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	10	0.22
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	6	0.22
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	7	0.22
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	12	0.22
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	13	0.22
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	16	0.22
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	1	0.22
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	6	0.22
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	8	0.22
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	10	0.22
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	14	0.22
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	20	0.22
(1,3118)	1:40:B:VAL:H	1:38:B:VAL:HA	4	0.22
(1,3101)	1:39:B:ASP:H	1:33:B:VAL:HB	15	0.22
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	5	0.22
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	5	0.22
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	12	0.22
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	12	0.22
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	12	0.22
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	12	0.22
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	12	0.22
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	12	0.22
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	12	0.22
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	12	0.22
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	12	0.22
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	17	0.22
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	17	0.22
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	17	0.22
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	17	0.22
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	17	0.22
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	17	0.22
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	17	0.22
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	17	0.22
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	11	0.22
(1,2476)	1:11:B:ASN:HD21	1:57:B:SER:HA	17	0.22
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	10	0.22
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	19	0.22
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	17	0.22
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	17	0.22
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	19	0.22
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	19	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	1	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	2	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	4	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	7	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	8	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	9	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	17	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	18	0.22
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	19	0.22
(1,1872)	1:89:A:ASP:H	1:87:A:ALA:HA	10	0.22
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	12	0.22
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	20	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	3	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	7	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	8	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	9	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	12	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	15	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	16	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	18	0.22
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	19	0.22
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	5	0.22
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	6	0.22
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	8	0.22
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	20	0.22
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	7	0.22
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	7	0.22
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	7	0.22
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	18	0.22
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	18	0.22
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	3	0.22
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	5	0.22
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	6	0.22
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	9	0.22
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	13	0.22
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	3	0.22
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	5	0.22
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	6	0.22
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	9	0.22
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	13	0.22
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	13	0.22
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	13	0.22
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	13	0.22
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	13	0.22
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	13	0.22
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	13	0.22
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	13	0.22
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	13	0.22
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	13	0.22
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	16	0.22
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	14	0.21
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	14	0.21
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	16	0.21
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	16	0.21
(1,7425)	1:109:A:ALA:H	1:106:A:GLN:HA	9	0.21
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	5	0.21
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	5	0.21
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	14	0.21
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	14	0.21
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	16	0.21
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	16	0.21
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	5	0.21
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	10	0.21
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	12	0.21
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	13	0.21
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	14	0.21
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	20	0.21
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	15	0.21
(1,6653)	1:70:A:LEU:H	1:71:A:GLU:HB3	20	0.21
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	1	0.21
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	4	0.21
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	5	0.21
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	6	0.21
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	10	0.21
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	14	0.21
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	17	0.21
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	9	0.21
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	12	0.21
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	13	0.21
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	14	0.21
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	19	0.21
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	16	0.21
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	16	0.21
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	16	0.21
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	1	0.21
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	11	0.21
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	18	0.21
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	1	0.21
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	11	0.21
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	18	0.21
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	8	0.21
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	8	0.21
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	8	0.21
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	9	0.21
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	6	0.21
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	6	0.21
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	13	0.21
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	13	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	4	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	6	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	9	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	12	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	13	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	15	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	16	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	18	0.21
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	19	0.21
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	15	0.21
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	8	0.21
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	8	0.21
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	8	0.21
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	8	0.21
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	8	0.21
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	8	0.21
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	8	0.21
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	8	0.21
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	19	0.21
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	19	0.21
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	19	0.21
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	19	0.21
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	19	0.21
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	19	0.21
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	19	0.21
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	19	0.21
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	19	0.21
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	10	0.21
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	10	0.21
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	10	0.21
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE2	18	0.21
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE3	18	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	2	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	3	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	4	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	8	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	9	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	14	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	15	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	18	0.21
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	20	0.21
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	3	0.21
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	5	0.21
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	7	0.21
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	12	0.21
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	15	0.21
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	15	0.21
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	15	0.21
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	20	0.21
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	20	0.21
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	20	0.21
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	20	0.21
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	20	0.21
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	20	0.21
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	9	0.21
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	6	0.21
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	9	0.21
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	17	0.21
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	10	0.21
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	10	0.21
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	10	0.21
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	4	0.21
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	11	0.21
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	1	0.21
(1,2303)	1:109:A:ALA:H	1:106:A:GLN:HA	9	0.21
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	5	0.21
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	5	0.21
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	14	0.21
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	14	0.21
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	16	0.21
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	16	0.21
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	5	0.21
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	10	0.21
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	12	0.21
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	13	0.21
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	14	0.21
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	20	0.21
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	15	0.21
(1,1531)	1:70:A:LEU:H	1:71:A:GLU:HB3	20	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	1	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	2	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	4	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	5	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	6	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	10	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	14	0.21
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	17	0.21
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	9	0.21
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	12	0.21
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	13	0.21
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	14	0.21
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	19	0.21
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	16	0.21
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	16	0.21
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	16	0.21
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	11	0.21
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	18	0.21
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	1	0.21
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	11	0.21
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	18	0.21
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	8	0.21
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	8	0.21
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	8	0.21
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	9	0.21
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	6	0.2
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	6	0.2
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	20	0.2
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	20	0.2
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	8	0.2
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	8	0.2
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	16	0.2
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	16	0.2
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	20	0.2
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	20	0.2
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	2	0.2
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	2	0.2
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	4	0.2
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	4	0.2
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	10	0.2
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	10	0.2
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	10	0.2
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	11	0.2
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	15	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	5	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	6	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	8	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	9	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	10	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	12	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	13	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	15	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	18	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	19	0.2
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	20	0.2
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	10	0.2
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	14	0.2
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	14	0.2
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	14	0.2
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	14	0.2
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	14	0.2
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	14	0.2
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	14	0.2
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	14	0.2
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	8	0.2
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	20	0.2
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	11	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	1	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	2	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	3	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	4	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	7	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	10	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	11	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	16	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	17	0.2
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	18	0.2
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	1	0.2
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	1	0.2
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	1	0.2
(1,5912)	1:39:A:ASP:H	1:34:A:GLY:H	15	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG11	11	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG12	11	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG13	11	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG21	11	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG22	11	0.2
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG23	11	0.2
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	6	0.2
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	6	0.2
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	6	0.2
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	10	0.2
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB1	4	0.2
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB2	4	0.2
(1,5502)	1:21:A:ARG:HG3	1:20:A:ALA:HB3	4	0.2
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	10	0.2
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	13	0.2
(1,5411)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	16	0.2
(1,5411)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	16	0.2
(1,5411)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	7	0.2
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	8	0.2
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	18	0.2
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD2	14	0.2
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD3	14	0.2
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	12	0.2
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	19	0.2
(1,5317)	1:13:A:LEU:H	1:14:A:ARG:HB3	18	0.2
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	17	0.2
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	17	0.2
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	17	0.2
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	5	0.2
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	5	0.2
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	12	0.2
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	12	0.2
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	12	0.2
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	2	0.2
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	5	0.2
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	8	0.2
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	14	0.2
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	17	0.2
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	20	0.2
(1,4390)	1:101:B:SER:HB2	1:100:B:VAL:HB	15	0.2
(1,4390)	1:101:B:SER:HB3	1:100:B:VAL:HB	15	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	1	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	2	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	3	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	4	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	6	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	10	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	12	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	13	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	14	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	16	0.2
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	17	0.2
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	11	0.2
(1,4184)	1:89:B:ASP:H	1:87:B:ALA:HA	18	0.2
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	10	0.2
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	17	0.2
(1,3792)	1:68:B:VAL:H	1:67:B:GLU:HG2	18	0.2
(1,3792)	1:68:B:VAL:H	1:67:B:GLU:HG3	18	0.2
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	17	0.2
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	17	0.2
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	1	0.2
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	5	0.2
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	10	0.2
(1,3559)	1:59:B:MET:H	1:60:B:SER:H	19	0.2
(1,3548)	1:59:B:MET:H	1:11:B:ASN:HB3	17	0.2
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	4	0.2
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	9	0.2
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	11	0.2
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	15	0.2
(1,3295)	1:46:B:GLY:H	1:47:B:LEU:HA	19	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	4	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	4	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	4	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	4	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	4	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	4	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	8	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	8	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	8	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	8	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	8	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	8	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	17	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	17	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	17	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	17	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	17	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	17	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	19	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	19	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	19	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	19	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	19	0.2
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	19	0.2
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	5	0.2
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	5	0.2
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	5	0.2
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	5	0.2
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	5	0.2
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:24:B:ASN:H	1:21:B:ARG:H	12	0.2
(1,2671)	1:21:B:ARG:H	1:24:B:ASN:H	12	0.2
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	9	0.2
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	12	0.2
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	14	0.2
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	3	0.2
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	4	0.2
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	12	0.2
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	14	0.2
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	17	0.2
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	6	0.2
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	6	0.2
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	10	0.2
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	12	0.2
(1,2399)	1:6:B:VAL:HG21	1:67:B:GLU:HG2	19	0.2
(1,2399)	1:6:B:VAL:HG21	1:67:B:GLU:HG3	19	0.2
(1,2399)	1:6:B:VAL:HG22	1:67:B:GLU:HG2	19	0.2
(1,2399)	1:6:B:VAL:HG22	1:67:B:GLU:HG3	19	0.2
(1,2399)	1:6:B:VAL:HG23	1:67:B:GLU:HG2	19	0.2
(1,2399)	1:6:B:VAL:HG23	1:67:B:GLU:HG3	19	0.2
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	6	0.2
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	8	0.2
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	8	0.2
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	16	0.2
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	16	0.2
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	20	0.2
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	20	0.2
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	2	0.2
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	2	0.2
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	4	0.2
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	4	0.2
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	10	0.2
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	10	0.2
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	10	0.2
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	11	0.2
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	15	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	5	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	6	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	8	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	9	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	10	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	13	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	15	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	18	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	19	0.2
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	20	0.2
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	10	0.2
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	14	0.2
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	14	0.2
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	14	0.2
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	14	0.2
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	14	0.2
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	14	0.2
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	14	0.2
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	14	0.2
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	14	0.2
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	8	0.2
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	20	0.2
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	11	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	1	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	2	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	3	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	4	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	7	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	10	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	11	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	16	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	17	0.2
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	18	0.2
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	1	0.2
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	1	0.2
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	1	0.2
(1,790)	1:39:A:ASP:H	1:34:A:GLY:H	15	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG11	11	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG12	11	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG13	11	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG21	11	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG22	11	0.2
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG23	11	0.2
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	6	0.2
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	6	0.2
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	6	0.2
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB1	4	0.2
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB2	4	0.2
(1,380)	1:21:A:ARG:HG3	1:20:A:ALA:HB3	4	0.2
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	10	0.2
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	13	0.2
(1,289)	1:18:A:ALA:HB1	1:19:A:LYS:HG2	16	0.2
(1,289)	1:18:A:ALA:HB2	1:19:A:LYS:HG2	16	0.2
(1,289)	1:18:A:ALA:HB3	1:19:A:LYS:HG2	16	0.2
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	7	0.2
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	8	0.2
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	18	0.2
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD2	14	0.2
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD3	14	0.2
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	12	0.2
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	19	0.2
(1,195)	1:13:A:LEU:H	1:14:A:ARG:HB3	18	0.2
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	7	0.19
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	7	0.19
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	9	0.19
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	9	0.19
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	17	0.19
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	17	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	1	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	2	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	3	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	4	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	7	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	11	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	14	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	16	0.19
(1,7085)	1:95:A:LEU:H	1:96:A:THR:HA	17	0.19
(1,6881)	1:80:A:LEU:H	1:81:A:SER:HB2	5	0.19
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	12	0.19
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	3	0.19
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	11	0.19
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	12	0.19
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	15	0.19
(1,6653)	1:70:A:LEU:H	1:71:A:GLU:HB3	15	0.19
(1,6653)	1:70:A:LEU:H	1:71:A:GLU:HB3	16	0.19
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	14	0.19
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	18	0.19
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	18	0.19
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	18	0.19
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	18	0.19
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	18	0.19
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE2	20	0.19
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE3	20	0.19
(1,6358)	1:59:A:MET:H	1:11:A:ASN:HB3	16	0.19
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	18	0.19
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	18	0.19
(1,6105)	1:46:A:GLY:H	1:47:A:LEU:HA	15	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	3	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	3	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	3	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	4	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	4	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	4	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	19	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	19	0.19
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	19	0.19
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG11	15	0.19
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG12	15	0.19
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG13	15	0.19
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG21	15	0.19
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG22	15	0.19
(1,5845)	1:35:A:ARG:H	1:33:A:VAL:HG23	15	0.19
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	5	0.19
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	5	0.19
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	5	0.19
(1,5599)	1:24:A:ASN:H	1:21:A:ARG:H	4	0.19
(1,5481)	1:21:A:ARG:H	1:24:A:ASN:H	4	0.19
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	19	0.19
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	4	0.19
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	13	0.19
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	17	0.19
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	19	0.19
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	1	0.19
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	13	0.19
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	16	0.19
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	18	0.19
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	18	0.19
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	8	0.19
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	8	0.19
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	8	0.19
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	8	0.19
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	8	0.19
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	8	0.19
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	8	0.19
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	8	0.19
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB1	7	0.19
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB2	7	0.19
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB3	7	0.19
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB1	7	0.19
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB2	7	0.19
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB3	7	0.19
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	18	0.19
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	18	0.19
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	18	0.19
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	1	0.19
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	1	0.19
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	1	0.19
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	15	0.19
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	15	0.19
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	15	0.19
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG21	12	0.19
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG22	12	0.19
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG23	12	0.19
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	18	0.19
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	18	0.19
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	12	0.19
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	12	0.19
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	1	0.19
(1,4399)	1:102:B:LYS:H	1:103:B:ALA:HA	10	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	5	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	7	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	8	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	9	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	11	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	15	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	18	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	19	0.19
(1,4275)	1:95:B:LEU:H	1:96:B:THR:HA	20	0.19
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	4	0.19
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	1	0.19
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	10	0.19
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	16	0.19
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	18	0.19
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	19	0.19
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	8	0.19
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	18	0.19
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	4	0.19
(1,3832)	1:70:B:LEU:H	1:66:B:VAL:HA	19	0.19
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	2	0.19
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	2	0.19
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	2	0.19
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE2	8	0.19
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE3	8	0.19
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	15	0.19
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	15	0.19
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	17	0.19
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	17	0.19
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	20	0.19
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	20	0.19
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	10	0.19
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	15	0.19
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	15	0.19
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	15	0.19
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	15	0.19
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	15	0.19
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	15	0.19
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	15	0.19
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	4	0.19
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	6	0.19
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	9	0.19
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	9	0.19
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	9	0.19
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	9	0.19
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	9	0.19
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	9	0.19
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	9	0.19
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	9	0.19
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	9	0.19
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	20	0.19
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	20	0.19
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	20	0.19
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	20	0.19
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	20	0.19
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	20	0.19
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	20	0.19
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	20	0.19
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	6	0.19
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	8	0.19
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	9	0.19
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	18	0.19
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	19	0.19
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	3	0.19
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	11	0.19
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	12	0.19
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	16	0.19
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	18	0.19
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	3	0.19
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	1	0.19
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	8	0.19
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	17	0.19
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	17	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	1	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	2	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	3	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	4	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	7	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	11	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	14	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	16	0.19
(1,1963)	1:95:A:LEU:H	1:96:A:THR:HA	17	0.19
(1,1759)	1:80:A:LEU:H	1:81:A:SER:HB2	5	0.19
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	12	0.19
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	3	0.19
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	11	0.19
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	12	0.19
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	15	0.19
(1,1531)	1:70:A:LEU:H	1:71:A:GLU:HB3	15	0.19
(1,1531)	1:70:A:LEU:H	1:71:A:GLU:HB3	16	0.19
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	14	0.19
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	18	0.19
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	18	0.19
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	18	0.19
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	18	0.19
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	18	0.19
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE2	20	0.19
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE3	20	0.19
(1,1236)	1:59:A:MET:H	1:11:A:ASN:HB3	16	0.19
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	18	0.19
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	18	0.19
(1,983)	1:46:A:GLY:H	1:47:A:LEU:HA	15	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	3	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	3	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	3	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	4	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	4	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	4	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	19	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	19	0.19
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	19	0.19
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG11	15	0.19
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG12	15	0.19
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG13	15	0.19
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG21	15	0.19
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG22	15	0.19
(1,723)	1:35:A:ARG:H	1:33:A:VAL:HG23	15	0.19
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	5	0.19
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	5	0.19
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	5	0.19
(1,477)	1:24:A:ASN:H	1:21:A:ARG:H	4	0.19
(1,359)	1:21:A:ARG:H	1:24:A:ASN:H	4	0.19
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	19	0.19
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	4	0.19
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	13	0.19
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	17	0.19
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	19	0.19
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	1	0.19
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	13	0.19
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	16	0.19
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	18	0.19
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	18	0.19
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB2	8	0.18
(1,7669)	1:86:A:GLY:H	1:83:A:SER:HB3	8	0.18
(1,7582)	1:73:A:LEU:HD21	1:76:A:ALA:HA	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7582)	1:73:A:LEU:HD22	1:76:A:ALA:HA	3	0.18
(1,7582)	1:73:A:LEU:HD23	1:76:A:ALA:HA	3	0.18
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE2	20	0.18
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE3	20	0.18
(1,7425)	1:109:A:ALA:H	1:106:A:GLN:HA	8	0.18
(1,7425)	1:109:A:ALA:H	1:106:A:GLN:HA	17	0.18
(1,7425)	1:109:A:ALA:H	1:106:A:GLN:HA	20	0.18
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	5	0.18
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	5	0.18
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	1	0.18
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	1	0.18
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	18	0.18
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	18	0.18
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	15	0.18
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	15	0.18
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	15	0.18
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	16	0.18
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	16	0.18
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	16	0.18
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	17	0.18
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	11	0.18
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	1	0.18
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	2	0.18
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	4	0.18
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	20	0.18
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	5	0.18
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	5	0.18
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	5	0.18
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	5	0.18
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	5	0.18
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	5	0.18
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	5	0.18
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	5	0.18
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	5	0.18
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	9	0.18
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	9	0.18
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	9	0.18
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	9	0.18
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	9	0.18
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	9	0.18
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	9	0.18
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	9	0.18
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	7	0.18
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	17	0.18
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	2	0.18
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	14	0.18
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	20	0.18
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	8	0.18
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	20	0.18
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	3	0.18
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	3	0.18
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	3	0.18
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	3	0.18
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	3	0.18
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	3	0.18
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	8	0.18
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	16	0.18
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	16	0.18
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	16	0.18
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	7	0.18
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	7	0.18
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	8	0.18
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	8	0.18
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	16	0.18
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	16	0.18
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	17	0.18
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	17	0.18
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	2	0.18
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	2	0.18
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	2	0.18
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	8	0.18
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	8	0.18
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	8	0.18
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	16	0.18
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	1	0.18
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	10	0.18
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	20	0.18
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	10	0.18
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	10	0.18
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	10	0.18
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	10	0.18
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	10	0.18
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	10	0.18
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	10	0.18
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	10	0.18
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	18	0.18
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	18	0.18
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	18	0.18
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	18	0.18
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	18	0.18
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	18	0.18
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	18	0.18
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	18	0.18
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	18	0.18
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	9	0.18
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	1	0.18
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	5	0.18
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	20	0.18
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	7	0.18
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	19	0.18
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	14	0.18
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	6	0.18
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	13	0.18
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	19	0.18
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	19	0.18
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	19	0.18
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	19	0.18
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	19	0.18
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	19	0.18
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	19	0.18
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	19	0.18
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	19	0.18
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	12	0.18
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	12	0.18
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	12	0.18
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	18	0.18
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	18	0.18
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	18	0.18
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB1	17	0.18
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB2	17	0.18
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB3	17	0.18
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB1	17	0.18
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB2	17	0.18
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	9	0.18
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	9	0.18
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	9	0.18
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	8	0.18
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	8	0.18
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	8	0.18
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	8	0.18
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	8	0.18
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	8	0.18
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	8	0.18
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	8	0.18
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	8	0.18
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	18	0.18
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	18	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	11	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	11	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	11	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	13	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	13	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	13	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	14	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	14	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	14	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	15	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	15	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	15	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	19	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	19	0.18
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	19	0.18
(1,4390)	1:101:B:SER:HB2	1:100:B:VAL:HB	19	0.18
(1,4390)	1:101:B:SER:HB3	1:100:B:VAL:HB	19	0.18
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	3	0.18
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	18	0.18
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	4	0.18
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	6	0.18
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	15	0.18
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	17	0.18
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	19	0.18
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	15	0.18
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	6	0.18
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	6	0.18
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	16	0.18
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	17	0.18
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	18	0.18
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	18	0.18
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	18	0.18
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	18	0.18
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	18	0.18
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	18	0.18
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	10	0.18
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	10	0.18
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	10	0.18
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	12	0.18
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	12	0.18
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	12	0.18
(1,3548)	1:59:B:MET:H	1:11:B:ASN:HB3	12	0.18
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	1	0.18
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	1	0.18
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	2	0.18
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	2	0.18
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	13	0.18
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	13	0.18
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	10	0.18
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	17	0.18
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	11	0.18
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	11	0.18
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	11	0.18
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	14	0.18
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	14	0.18
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	14	0.18
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	8	0.18
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	17	0.18
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	20	0.18
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG11	20	0.18
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG12	20	0.18
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG13	20	0.18
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG21	20	0.18
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG22	20	0.18
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG23	20	0.18
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	10	0.18
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	10	0.18
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	10	0.18
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	10	0.18
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	10	0.18
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	6	0.18
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	8	0.18
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	16	0.18
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	19	0.18
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	14	0.18
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	14	0.18
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	14	0.18
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	14	0.18
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	14	0.18
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	14	0.18
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	14	0.18
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	14	0.18
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	14	0.18
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	13	0.18
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	4	0.18
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	9	0.18
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	14	0.18
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	8	0.18
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	10	0.18
(1,2474)	1:11:B:ASN:HD21	1:54:B:LEU:HA	11	0.18
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	4	0.18
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	5	0.18
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	7	0.18
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	13	0.18
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	14	0.18
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	15	0.18
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	4	0.18
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	5	0.18
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	7	0.18
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	16	0.18
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	20	0.18
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE2	20	0.18
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE3	20	0.18
(1,2303)	1:109:A:ALA:H	1:106:A:GLN:HA	8	0.18
(1,2303)	1:109:A:ALA:H	1:106:A:GLN:HA	17	0.18
(1,2303)	1:109:A:ALA:H	1:106:A:GLN:HA	20	0.18
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	5	0.18
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	5	0.18
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	1	0.18
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	18	0.18
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	18	0.18
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	15	0.18
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	15	0.18
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	15	0.18
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	16	0.18
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	16	0.18
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	16	0.18
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	17	0.18
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	11	0.18
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	1	0.18
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	2	0.18
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	4	0.18
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	20	0.18
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	5	0.18
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	5	0.18
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	5	0.18
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	5	0.18
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	5	0.18
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	5	0.18
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	5	0.18
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	5	0.18
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	5	0.18
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	9	0.18
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	9	0.18
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	9	0.18
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	9	0.18
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	9	0.18
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	9	0.18
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	9	0.18
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	9	0.18
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	9	0.18
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	7	0.18
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	17	0.18
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	2	0.18
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	14	0.18
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	20	0.18
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	8	0.18
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	20	0.18
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	3	0.18
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	3	0.18
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	3	0.18
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	3	0.18
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	3	0.18
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	8	0.18
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	16	0.18
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	16	0.18
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	16	0.18
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	7	0.18
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	7	0.18
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	8	0.18
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	8	0.18
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	16	0.18
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	16	0.18
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	17	0.18
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	17	0.18
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	2	0.18
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	2	0.18
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	2	0.18
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	8	0.18
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	8	0.18
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	8	0.18
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	16	0.18
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	1	0.18
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	10	0.18
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	20	0.18
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	10	0.18
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	10	0.18
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	10	0.18
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	10	0.18
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	10	0.18
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	10	0.18
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	10	0.18
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	10	0.18
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	10	0.18
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	18	0.18
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	18	0.18
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	18	0.18
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	18	0.18
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	18	0.18
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	18	0.18
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	18	0.18
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	18	0.18
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	9	0.18
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	1	0.18
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	5	0.18
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	20	0.18
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	7	0.18
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	19	0.18
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	14	0.18
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	6	0.18
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	13	0.18
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	4	0.17
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	4	0.17
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	8	0.17
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	8	0.17
(1,7425)	1:109:A:ALA:H	1:106:A:GLN:HA	16	0.17
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	13	0.17
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	13	0.17
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	7	0.17
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	7	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	1	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	1	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	1	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	2	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	2	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	2	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	3	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	3	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	3	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	6	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	6	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	6	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	17	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	17	0.17
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	17	0.17
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	10	0.17
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	11	0.17
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	15	0.17
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	2	0.17
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	15	0.17
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	2	0.17
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	12	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	3	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	4	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	5	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	7	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	8	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	9	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	11	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	13	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	14	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	16	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	17	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	18	0.17
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	19	0.17
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	4	0.17
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	11	0.17
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	5	0.17
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	6	0.17
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	13	0.17
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	14	0.17
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	16	0.17
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	18	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	1	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	1	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	1	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	1	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	1	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	1	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	1	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	1	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	1	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	6	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	6	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	6	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	6	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	6	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	6	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	6	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	6	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	6	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	7	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	7	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	7	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	7	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	7	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	7	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	7	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	7	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	15	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	15	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	15	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	15	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	15	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	15	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	15	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	15	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	15	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	16	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	16	0.17
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	16	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	16	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	16	0.17
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	16	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	16	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	16	0.17
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	16	0.17
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	13	0.17
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	2	0.17
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	1	0.17
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	1	0.17
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	1	0.17
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	9	0.17
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	19	0.17
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	19	0.17
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	19	0.17
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	19	0.17
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	19	0.17
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	19	0.17
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	1	0.17
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	2	0.17
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	3	0.17
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	14	0.17
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	15	0.17
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6369)	1:59:A:MET:H	1:60:A:SER:H	20	0.17
(1,6358)	1:59:A:MET:H	1:11:A:ASN:HB3	13	0.17
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	2	0.17
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	2	0.17
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	3	0.17
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	3	0.17
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	4	0.17
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	4	0.17
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	6	0.17
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	6	0.17
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	9	0.17
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	9	0.17
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	12	0.17
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	15	0.17
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	15	0.17
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	15	0.17
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	17	0.17
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	17	0.17
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	17	0.17
(1,5917)	1:39:A:ASP:H	1:40:A:VAL:HA	11	0.17
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG11	11	0.17
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG12	11	0.17
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG13	11	0.17
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG21	11	0.17
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG22	11	0.17
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG23	11	0.17
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	16	0.17
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	16	0.17
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	16	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	2	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	3	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	4	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	5	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	6	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	7	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	8	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	10	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	13	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	14	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	17	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	19	0.17
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	3	0.17
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	5	0.17
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	6	0.17
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	9	0.17
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	14	0.17
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	15	0.17
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	18	0.17
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	4	0.17
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	4	0.17
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	4	0.17
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	4	0.17
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	4	0.17
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	4	0.17
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	4	0.17
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	4	0.17
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	4	0.17
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	16	0.17
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	16	0.17
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	16	0.17
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	16	0.17
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	16	0.17
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	16	0.17
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	16	0.17
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	16	0.17
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	16	0.17
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	2	0.17
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	3	0.17
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	6	0.17
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	10	0.17
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	11	0.17
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	12	0.17
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	14	0.17
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	15	0.17
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	17	0.17
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	6	0.17
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	18	0.17
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	19	0.17
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	5	0.17
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	12	0.17
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	18	0.17
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	13	0.17
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	13	0.17
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	14	0.17
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	14	0.17
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	14	0.17
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	19	0.17
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	19	0.17
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	19	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	9	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	9	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	9	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	11	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	11	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	11	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	12	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	12	0.17
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	12	0.17
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	10	0.17
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	10	0.17
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	10	0.17
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	10	0.17
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	10	0.17
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	10	0.17
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	10	0.17
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	10	0.17
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	10	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	6	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	6	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	6	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	11	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	11	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	11	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	13	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	13	0.17
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	13	0.17
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	2	0.17
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	2	0.17
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	2	0.17
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	16	0.17
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	16	0.17
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	16	0.17
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	16	0.17
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	16	0.17
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	16	0.17
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	16	0.17
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	16	0.17
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	17	0.17
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	17	0.17
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	17	0.17
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	17	0.17
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	17	0.17
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	17	0.17
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	17	0.17
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	17	0.17
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	17	0.17
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	6	0.17
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	6	0.17
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	16	0.17
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	16	0.17
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	20	0.17
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	20	0.17
(1,4406)	1:102:B:LYS:HB2	1:101:B:SER:HB2	15	0.17
(1,4406)	1:102:B:LYS:HB2	1:101:B:SER:HB3	15	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	6	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	6	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	6	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	7	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	7	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	7	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	16	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	16	0.17
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	16	0.17
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	3	0.17
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	12	0.17
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	15	0.17
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	1	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	2	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	5	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	6	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	7	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	9	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	10	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	13	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	16	0.17
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	19	0.17
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	12	0.17
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	15	0.17
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	5	0.17
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	7	0.17
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	8	0.17
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	11	0.17
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	12	0.17
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	14	0.17
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	15	0.17
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	16	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	3	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	3	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	3	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	3	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	3	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	3	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	3	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	3	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	3	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	4	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	4	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	4	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	4	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	4	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	4	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	4	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	4	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	4	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	17	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	17	0.17
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	17	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	17	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	17	0.17
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	17	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	17	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	17	0.17
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	17	0.17
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	16	0.17
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	15	0.17
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	1	0.17
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	3	0.17
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	4	0.17
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	8	0.17
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	20	0.17
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	11	0.17
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	11	0.17
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	11	0.17
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	11	0.17
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	11	0.17
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	11	0.17
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	8	0.17
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	9	0.17
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	10	0.17
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	10	0.17
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	16	0.17
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE1	19	0.17
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE2	19	0.17
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE3	19	0.17
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	3	0.17
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	3	0.17
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	5	0.17
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	5	0.17
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	12	0.17
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	12	0.17
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	18	0.17
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	18	0.17
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	4	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	4	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	4	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	4	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	7	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	7	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	7	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	9	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	9	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	9	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	12	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	12	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	12	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	17	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	17	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	19	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	19	0.17
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	19	0.17
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	4	0.17
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	4	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG11	4	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG12	4	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG13	4	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG21	4	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG22	4	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG23	4	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG11	10	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG12	10	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG13	10	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG21	10	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG22	10	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG23	10	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG11	17	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG12	17	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG13	17	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG21	17	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG22	17	0.17
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG23	17	0.17
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	5	0.17
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	5	0.17
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	5	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	1	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	1	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	1	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	13	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	13	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	13	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	16	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	16	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	16	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	18	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	18	0.17
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	18	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	1	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	3	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	5	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	7	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	9	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	11	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	12	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	13	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	14	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	18	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	19	0.17
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	20	0.17
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	8	0.17
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	8	0.17
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	8	0.17
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	15	0.17
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	15	0.17
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	15	0.17
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	5	0.17
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	11	0.17
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	17	0.17
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	17	0.17
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	11	0.17
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	11	0.17
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	11	0.17
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	11	0.17
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	11	0.17
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	11	0.17
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	11	0.17
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	11	0.17
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	11	0.17
(1,2592)	1:18:B:ALA:H	1:54:B:LEU:HD21	11	0.17
(1,2592)	1:18:B:ALA:H	1:54:B:LEU:HD22	11	0.17
(1,2592)	1:18:B:ALA:H	1:54:B:LEU:HD23	11	0.17
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	7	0.17
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	2	0.17
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	5	0.17
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	7	0.17
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	10	0.17
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	11	0.17
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	16	0.17
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	20	0.17
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	8	0.17
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	9	0.17
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	16	0.17
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	18	0.17
(1,2510)	1:13:B:LEU:H	1:14:B:ARG:HB3	16	0.17
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	3	0.17
(1,2399)	1:6:B:VAL:HG21	1:67:B:GLU:HG2	10	0.17
(1,2399)	1:6:B:VAL:HG21	1:67:B:GLU:HG3	10	0.17
(1,2399)	1:6:B:VAL:HG22	1:67:B:GLU:HG2	10	0.17
(1,2399)	1:6:B:VAL:HG22	1:67:B:GLU:HG3	10	0.17
(1,2399)	1:6:B:VAL:HG23	1:67:B:GLU:HG2	10	0.17
(1,2399)	1:6:B:VAL:HG23	1:67:B:GLU:HG3	10	0.17
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	9	0.17
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	11	0.17
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	12	0.17
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	17	0.17
(1,2385)	1:6:B:VAL:HB	1:3:B:PHE:HA	18	0.17
(1,2303)	1:109:A:ALA:H	1:106:A:GLN:HA	16	0.17
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	13	0.17
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	13	0.17
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	7	0.17
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	7	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	1	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	1	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	1	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	2	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	2	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	2	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	3	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	3	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	3	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	6	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	6	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	6	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	17	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	17	0.17
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	17	0.17
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	10	0.17
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	11	0.17
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	15	0.17
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	2	0.17
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	15	0.17
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	12	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	1	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	3	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	4	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	5	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	7	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	8	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	9	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	11	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	13	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	14	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	16	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	17	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	18	0.17
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	19	0.17
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	4	0.17
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	11	0.17
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	5	0.17
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	6	0.17
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	13	0.17
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	14	0.17
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	16	0.17
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	18	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	1	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	1	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	1	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	1	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	1	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	1	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	1	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	1	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	1	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	6	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	6	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	6	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	6	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	6	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	6	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	6	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	6	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	6	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	7	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	7	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	7	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	7	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	7	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	7	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	7	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	7	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	15	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	15	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	15	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	15	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	15	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	15	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	15	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	15	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	15	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	16	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	16	0.17
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	16	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	16	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	16	0.17
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	16	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	16	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	16	0.17
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	16	0.17
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	13	0.17
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	2	0.17
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	1	0.17
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	1	0.17
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	1	0.17
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	9	0.17
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	19	0.17
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	19	0.17
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	19	0.17
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	19	0.17
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	19	0.17
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	19	0.17
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	1	0.17
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	2	0.17
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	3	0.17
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	15	0.17
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	17	0.17
(1,1247)	1:59:A:MET:H	1:60:A:SER:H	20	0.17
(1,1236)	1:59:A:MET:H	1:11:A:ASN:HB3	13	0.17
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	2	0.17
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	2	0.17
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	3	0.17
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	3	0.17
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	4	0.17
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	4	0.17
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	6	0.17
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	6	0.17
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	9	0.17
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	9	0.17
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	12	0.17
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	15	0.17
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	15	0.17
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	15	0.17
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	17	0.17
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	17	0.17
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	17	0.17
(1,795)	1:39:A:ASP:H	1:40:A:VAL:HA	11	0.17
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG11	11	0.17
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG12	11	0.17
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG13	11	0.17
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG21	11	0.17
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG22	11	0.17
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG23	11	0.17
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	16	0.17
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	16	0.17
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	16	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	2	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	3	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	4	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	5	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	6	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	7	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	8	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	10	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	13	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	14	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	19	0.17
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	20	0.17
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	3	0.17
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	5	0.17
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	6	0.17
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	9	0.17
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	14	0.17
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	15	0.17
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	18	0.17
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	4	0.17
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	4	0.17
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	4	0.17
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	4	0.17
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	4	0.17
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	4	0.17
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	4	0.17
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	4	0.17
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	4	0.17
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	16	0.17
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	16	0.17
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	16	0.17
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	16	0.17
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	16	0.17
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	16	0.17
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	16	0.17
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	16	0.17
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	16	0.17
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	2	0.17
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	3	0.17
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	6	0.17
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	10	0.17
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	11	0.17
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	12	0.17
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	14	0.17
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	15	0.17
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	17	0.17
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	6	0.17
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	18	0.17
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	19	0.17
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	5	0.17
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	12	0.17
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7453)	1:3:A:PHE:HE1	1:69:A:LEU:HB2	1	0.16
(1,7453)	1:3:A:PHE:HE2	1:69:A:LEU:HB2	1	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	2	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	2	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	10	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	10	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	14	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	14	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	18	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	18	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	19	0.16
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	19	0.16
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	6	0.16
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB2	3	0.16
(1,7261)	1:104:A:VAL:H	1:102:A:LYS:HB3	3	0.16
(1,7216)	1:102:A:LYS:HB2	1:101:A:SER:HB2	17	0.16
(1,7216)	1:102:A:LYS:HB2	1:101:A:SER:HB3	17	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	4	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	4	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	4	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	5	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	5	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	5	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	7	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	7	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	7	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	8	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	8	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	8	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	13	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	13	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	13	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	18	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	18	0.16
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	18	0.16
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	4	0.16
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	12	0.16
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	16	0.16
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	9	0.16
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	4	0.16
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	10	0.16
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	18	0.16
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	19	0.16
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	6	0.16
(1,6977)	1:87:A:ALA:H	1:88:A:VAL:H	20	0.16
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	1	0.16
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	3	0.16
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	5	0.16
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	15	0.16
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	18	0.16
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	20	0.16
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	7	0.16
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	9	0.16
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	10	0.16
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	19	0.16
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	4	0.16
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	4	0.16
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	4	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	2	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	2	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	2	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	2	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	2	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	2	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	2	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	2	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	2	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	12	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	12	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	12	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	12	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	12	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	12	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	12	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	12	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	12	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	13	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	13	0.16
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	13	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	13	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	13	0.16
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	13	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	13	0.16
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	13	0.16
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	1	0.16
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	2	0.16
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	6	0.16
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	10	0.16
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	12	0.16
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	1	0.16
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	4	0.16
(1,6613)	1:68:A:VAL:HA	1:71:A:GLU:HG3	7	0.16
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	1	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	5	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	5	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	5	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	6	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	6	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	6	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	10	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	10	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	10	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	16	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	16	0.16
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	16	0.16
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	15	0.16
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	16	0.16
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	17	0.16
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	1	0.16
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	1	0.16
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	1	0.16
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	1	0.16
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	1	0.16
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	1	0.16
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	4	0.16
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	7	0.16
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	9	0.16
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	10	0.16
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	16	0.16
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	18	0.16
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	19	0.16
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	13	0.16
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	13	0.16
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	1	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	1	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	5	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	5	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	10	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	10	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	11	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	11	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	12	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	12	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	13	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	13	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	14	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	14	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	15	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	15	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	19	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	19	0.16
(1,6252)	1:52:A:SER:HB2	1:51:A:LEU:HB2	20	0.16
(1,6252)	1:52:A:SER:HB3	1:51:A:LEU:HB2	20	0.16
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	5	0.16
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	6	0.16
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	8	0.16
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	20	0.16
(1,5912)	1:39:A:ASP:H	1:34:A:GLY:H	11	0.16
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG21	6	0.16
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG22	6	0.16
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG23	6	0.16
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	14	0.16
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	14	0.16
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	14	0.16
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	14	0.16
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	14	0.16
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	14	0.16
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	12	0.16
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	12	0.16
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	12	0.16
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	1	0.16
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	9	0.16
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	11	0.16
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	12	0.16
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5627)	1:25:A:LEU:H	1:26:A:ALA:HA	18	0.16
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	11	0.16
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	3	0.16
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	3	0.16
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	3	0.16
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	3	0.16
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	3	0.16
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	3	0.16
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	3	0.16
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	3	0.16
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	3	0.16
(1,5395)	1:18:A:ALA:H	1:19:A:LYS:HA	9	0.16
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	5	0.16
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	6	0.16
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	11	0.16
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	5	0.16
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	11	0.16
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	17	0.16
(1,5281)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	13	0.16
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	1	0.16
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	20	0.16
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	1	0.16
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	9	0.16
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	11	0.16
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	19	0.16
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	1	0.16
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	1	0.16
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	6	0.16
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	6	0.16
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	19	0.16
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	19	0.16
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	1	0.16
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	1	0.16
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	1	0.16
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	18	0.16
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	18	0.16
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	18	0.16
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	17	0.16
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	17	0.16
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	16	0.16
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	16	0.16
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	16	0.16
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	16	0.16
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	16	0.16
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	16	0.16
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	16	0.16
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	16	0.16
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	17	0.16
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	17	0.16
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	17	0.16
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	17	0.16
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	17	0.16
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	17	0.16
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	17	0.16
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	17	0.16
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	17	0.16
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	5	0.16
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	5	0.16
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	5	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	3	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	3	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	3	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	4	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	4	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	4	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	14	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	14	0.16
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	14	0.16
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	1	0.16
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	10	0.16
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	14	0.16
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	16	0.16
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	8	0.16
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	8	0.16
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	18	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	1	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	1	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	2	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	2	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	4	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	4	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	5	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	10	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	10	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	13	0.16
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	13	0.16
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	9	0.16
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	9	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	1	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	1	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	1	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	3	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	3	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	3	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	5	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	5	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	5	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	8	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	8	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	8	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	18	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	18	0.16
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	18	0.16
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	4	0.16
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	7	0.16
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	18	0.16
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	10	0.16
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	12	0.16
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	18	0.16
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	8	0.16
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	17	0.16
(1,4167)	1:87:B:ALA:H	1:88:B:VAL:H	20	0.16
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	1	0.16
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	2	0.16
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	2	0.16
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	3	0.16
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	9	0.16
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	20	0.16
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	4	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	2	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	2	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	2	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	2	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	2	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	2	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	2	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	2	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	7	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	7	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	7	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	7	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	7	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	7	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	7	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	7	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	7	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	14	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	14	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	14	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	14	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	14	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	14	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	14	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	14	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	14	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	16	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	16	0.16
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	16	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	16	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	16	0.16
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	16	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	16	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	16	0.16
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	16	0.16
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	5	0.16
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	13	0.16
(1,3832)	1:70:B:LEU:H	1:66:B:VAL:HA	12	0.16
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	8	0.16
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	15	0.16
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	13	0.16
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	20	0.16
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	9	0.16
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	9	0.16
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	9	0.16
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	13	0.16
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	13	0.16
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	8	0.16
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	15	0.16
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	2	0.16
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	7	0.16
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	10	0.16
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	14	0.16
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	15	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	10	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	10	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	10	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	10	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	10	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	10	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	13	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	13	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	13	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	13	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	13	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	13	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	19	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	19	0.16
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	19	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	19	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	19	0.16
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	19	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	3	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	4	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	5	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	6	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	7	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	11	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	14	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	16	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	17	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	18	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	19	0.16
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	20	0.16
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	11	0.16
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	11	0.16
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	1	0.16
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	4	0.16
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	8	0.16
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	20	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	4	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	4	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	6	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	6	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	7	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	7	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	8	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	8	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	10	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	10	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	11	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	11	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	14	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	14	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	16	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	16	0.16
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	19	0.16
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	19	0.16
(1,3335)	1:48:B:ARG:H	1:45:B:SER:HB2	9	0.16
(1,3335)	1:48:B:ARG:H	1:45:B:SER:HB3	9	0.16
(1,3335)	1:48:B:ARG:H	1:45:B:SER:HB2	12	0.16
(1,3335)	1:48:B:ARG:H	1:45:B:SER:HB3	12	0.16
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	2	0.16
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	15	0.16
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	15	0.16
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	15	0.16
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	17	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG11	8	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG12	8	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG13	8	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG21	8	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG22	8	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG23	8	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG11	15	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG12	15	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG13	15	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG21	15	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG22	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG23	15	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG11	19	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG12	19	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG13	19	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG21	19	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG22	19	0.16
(1,3043)	1:36:B:ASN:H	1:33:B:VAL:HG23	19	0.16
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	9	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	9	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	9	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	9	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	9	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	9	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	9	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	14	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	14	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	14	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	14	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	14	0.16
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	14	0.16
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	5	0.16
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	5	0.16
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	5	0.16
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	2	0.16
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	10	0.16
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	15	0.16
(1,2817)	1:25:B:LEU:H	1:26:B:ALA:HA	17	0.16
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	6	0.16
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	6	0.16
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	6	0.16
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	2	0.16
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	15	0.16
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	6	0.16
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	6	0.16
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	6	0.16
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	6	0.16
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	6	0.16
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	6	0.16
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	6	0.16
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	6	0.16
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	6	0.16
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2585)	1:18:B:ALA:H	1:19:B:LYS:HA	15	0.16
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	2	0.16
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	7	0.16
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	8	0.16
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	14	0.16
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	16	0.16
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	18	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	3	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	3	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	6	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	6	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	8	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	8	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	9	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	9	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	18	0.16
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	18	0.16
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	2	0.16
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	18	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	2	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	2	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	10	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	10	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	14	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	14	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	18	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	18	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	19	0.16
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	19	0.16
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	6	0.16
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB2	3	0.16
(1,2139)	1:104:A:VAL:H	1:102:A:LYS:HB3	3	0.16
(1,2094)	1:102:A:LYS:HB2	1:101:A:SER:HB2	17	0.16
(1,2094)	1:102:A:LYS:HB2	1:101:A:SER:HB3	17	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	4	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	4	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	4	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	5	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	5	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	5	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	7	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	7	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	8	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	8	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	8	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	13	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	13	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	13	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	18	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	18	0.16
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	18	0.16
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	4	0.16
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	12	0.16
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	16	0.16
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	9	0.16
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	4	0.16
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	10	0.16
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	12	0.16
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	18	0.16
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	19	0.16
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	6	0.16
(1,1855)	1:87:A:ALA:H	1:88:A:VAL:H	20	0.16
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	1	0.16
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	3	0.16
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	5	0.16
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	15	0.16
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	18	0.16
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	20	0.16
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	7	0.16
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	9	0.16
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	10	0.16
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	19	0.16
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	4	0.16
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	4	0.16
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	4	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	2	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	2	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	2	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	2	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	2	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	2	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	2	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	2	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	12	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	12	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	12	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	12	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	12	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	12	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	12	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	12	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	12	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	13	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	13	0.16
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	13	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	13	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	13	0.16
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	13	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	13	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	13	0.16
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	13	0.16
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	1	0.16
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	2	0.16
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	6	0.16
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	10	0.16
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	12	0.16
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	1	0.16
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	4	0.16
(1,1491)	1:68:A:VAL:HA	1:71:A:GLU:HG3	7	0.16
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	1	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	5	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	5	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	5	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	6	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	6	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	6	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	10	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	10	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	10	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	16	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	16	0.16
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	16	0.16
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	15	0.16
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	17	0.16
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	1	0.16
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	1	0.16
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	1	0.16
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	1	0.16
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	1	0.16
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	1	0.16
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	4	0.16
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	7	0.16
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	9	0.16
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	10	0.16
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	16	0.16
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	18	0.16
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	19	0.16
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	13	0.16
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	13	0.16
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	13	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	1	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	1	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	5	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	5	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	10	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	10	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	11	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	11	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	12	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	12	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	13	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	13	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	14	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	14	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	15	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	15	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	19	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	19	0.16
(1,1130)	1:52:A:SER:HB2	1:51:A:LEU:HB2	20	0.16
(1,1130)	1:52:A:SER:HB3	1:51:A:LEU:HB2	20	0.16
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	5	0.16
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	6	0.16
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	8	0.16
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	20	0.16
(1,790)	1:39:A:ASP:H	1:34:A:GLY:H	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG21	6	0.16
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG22	6	0.16
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG23	6	0.16
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	14	0.16
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	14	0.16
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	14	0.16
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	14	0.16
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	14	0.16
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	14	0.16
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	12	0.16
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	12	0.16
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	12	0.16
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	1	0.16
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	9	0.16
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	11	0.16
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	12	0.16
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	15	0.16
(1,505)	1:25:A:LEU:H	1:26:A:ALA:HA	18	0.16
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	11	0.16
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	3	0.16
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	3	0.16
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	3	0.16
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	3	0.16
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	3	0.16
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	3	0.16
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	3	0.16
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	3	0.16
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	3	0.16
(1,273)	1:18:A:ALA:H	1:19:A:LYS:HA	9	0.16
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	5	0.16
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	6	0.16
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	11	0.16
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	5	0.16
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	11	0.16
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	17	0.16
(1,159)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	13	0.16
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	1	0.16
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	20	0.16
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	1	0.16
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	9	0.16
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	11	0.16
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	1	0.16
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	1	0.16
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	6	0.16
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	6	0.16
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	19	0.16
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	19	0.16
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE2	16	0.15
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE3	16	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	1	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	1	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	3	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	3	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	4	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	4	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	7	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	7	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	12	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	12	0.15
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	4	0.15
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	18	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	9	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	9	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	9	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	14	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	14	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	14	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	19	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	19	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	19	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	20	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	20	0.15
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	20	0.15
(1,7207)	1:102:A:LYS:H	1:103:A:ALA:HA	6	0.15
(1,7200)	1:101:A:SER:HB2	1:100:A:VAL:HB	9	0.15
(1,7200)	1:101:A:SER:HB3	1:100:A:VAL:HB	9	0.15
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	3	0.15
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	7	0.15
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	16	0.15
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	17	0.15
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	2	0.15
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	9	0.15
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	20	0.15
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	8	0.15
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	13	0.15
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	1	0.15
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	12	0.15
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	12	0.15
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	6	0.15
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	10	0.15
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD11	10	0.15
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD12	10	0.15
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD13	10	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	3	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	3	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	3	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	3	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	3	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	3	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	3	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	3	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	3	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	4	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	4	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	4	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	4	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	4	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	4	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	4	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	4	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	4	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	8	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	8	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	8	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	8	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	8	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	8	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	8	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	8	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	8	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	10	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	10	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	10	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	10	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	10	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	10	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	10	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	10	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	11	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	11	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	11	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	11	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	11	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	11	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	11	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	11	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	11	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	18	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	18	0.15
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	18	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	18	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	18	0.15
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	18	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	18	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	18	0.15
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	18	0.15
(1,6653)	1:70:A:LEU:H	1:71:A:GLU:HB3	1	0.15
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	5	0.15
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	9	0.15
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	6	0.15
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	7	0.15
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	15	0.15
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	18	0.15
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	16	0.15
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	20	0.15
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	5	0.15
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	10	0.15
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG2	7	0.15
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG3	7	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	2	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	2	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	2	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	3	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	3	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	7	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	7	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	7	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	14	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	14	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	14	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	17	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	17	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	17	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	20	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	20	0.15
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	20	0.15
(1,6559)	1:66:A:VAL:HG11	1:69:A:LEU:HG	9	0.15
(1,6559)	1:66:A:VAL:HG12	1:69:A:LEU:HG	9	0.15
(1,6559)	1:66:A:VAL:HG13	1:69:A:LEU:HG	9	0.15
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	16	0.15
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	20	0.15
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	1	0.15
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	2	0.15
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	4	0.15
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	12	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	6	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	6	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	6	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	6	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	6	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	6	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	7	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	7	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	7	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	7	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	7	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	7	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	9	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	9	0.15
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	9	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	9	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	9	0.15
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	9	0.15
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	5	0.15
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	6	0.15
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	12	0.15
(1,6443)	1:63:A:GLU:H	1:64:A:ALA:HA	13	0.15
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	12	0.15
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	12	0.15
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	12	0.15
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE2	18	0.15
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE3	18	0.15
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	8	0.15
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	12	0.15
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	6	0.15
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	9	0.15
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	13	0.15
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	1	0.15
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	4	0.15
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	9	0.15
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	10	0.15
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	13	0.15
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	1	0.15
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	4	0.15
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG21	15	0.15
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG22	15	0.15
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG23	15	0.15
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	5	0.15
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	5	0.15
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	5	0.15
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	10	0.15
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	10	0.15
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	10	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG21	5	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG22	5	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG23	5	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG21	16	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG22	16	0.15
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG23	16	0.15
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG11	15	0.15
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG12	15	0.15
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG13	15	0.15
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG21	15	0.15
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG22	15	0.15
(1,5853)	1:36:A:ASN:H	1:33:A:VAL:HG23	15	0.15
(1,5780)	1:31:A:THR:H	1:32:A:ALA:HA	11	0.15
(1,5774)	1:31:A:THR:H	1:29:A:LEU:HA	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	12	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	12	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	12	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	12	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	12	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	12	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	18	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	18	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	18	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	18	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	18	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	18	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	19	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	19	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	19	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	19	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	19	0.15
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	19	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	5	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	5	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	5	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	8	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	8	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	8	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	16	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	16	0.15
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	16	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	9	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	9	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	9	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	13	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	13	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	13	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	17	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	17	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	17	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	20	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	20	0.15
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	20	0.15
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	4	0.15
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	4	0.15
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	1	0.15
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	1	0.15
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	1	0.15
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	7	0.15
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	7	0.15
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	7	0.15
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	2	0.15
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	4	0.15
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	7	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	1	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	1	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	1	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	1	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	1	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	1	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	1	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	1	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	1	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	2	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	2	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	2	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	2	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	2	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	2	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	2	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	2	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	2	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	17	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	17	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	17	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	17	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	17	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	17	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	17	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	17	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	17	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	19	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	19	0.15
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	19	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	19	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	19	0.15
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	19	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	19	0.15
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	19	0.15
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	3	0.15
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	4	0.15
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	15	0.15
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD2	18	0.15
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD3	18	0.15
(1,5317)	1:13:A:LEU:H	1:14:A:ARG:HB3	8	0.15
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	7	0.15
(1,5281)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	9	0.15
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	7	0.15
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	8	0.15
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	12	0.15
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	12	0.15
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	12	0.15
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	2	0.15
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	17	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	2	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	2	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	4	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	4	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	5	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	5	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	10	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	10	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	11	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	11	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	20	0.15
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	20	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	3	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	3	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	3	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	5	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	5	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	5	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	12	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	12	0.15
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	12	0.15
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	20	0.15
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	20	0.15
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	20	0.15
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	20	0.15
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	20	0.15
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	20	0.15
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	20	0.15
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	20	0.15
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	11	0.15
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	11	0.15
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	11	0.15
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	2	0.15
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	2	0.15
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	2	0.15
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	2	0.15
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	2	0.15
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	2	0.15
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	2	0.15
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	2	0.15
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	2	0.15
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	2	0.15
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	8	0.15
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	15	0.15
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	20	0.15
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	16	0.15
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	16	0.15
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	6	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	3	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	3	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	8	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	8	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	11	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	11	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	14	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	14	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	15	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	15	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	19	0.15
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	19	0.15
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	12	0.15
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	11	0.15
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	11	0.15
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB2	19	0.15
(1,4452)	1:104:B:VAL:H	1:102:B:LYS:HB3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	2	0.15
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	2	0.15
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	2	0.15
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	20	0.15
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	20	0.15
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	20	0.15
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	7	0.15
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	19	0.15
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	9	0.15
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	11	0.15
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	14	0.15
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	2	0.15
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	8	0.15
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	17	0.15
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	3	0.15
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	9	0.15
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	8	0.15
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	10	0.15
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	17	0.15
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	8	0.15
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	10	0.15
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	17	0.15
(1,4098)	1:82:B:SER:H	1:79:B:LEU:HB3	15	0.15
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG21	20	0.15
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG22	20	0.15
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG23	20	0.15
(1,3898)	1:73:B:LEU:H	1:74:B:THR:HA	13	0.15
(1,3866)	1:72:B:ALA:H	1:29:B:LEU:HD11	9	0.15
(1,3866)	1:72:B:ALA:H	1:29:B:LEU:HD12	9	0.15
(1,3866)	1:72:B:ALA:H	1:29:B:LEU:HD13	9	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	9	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	9	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	9	0.15
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	9	0.15
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	9	0.15
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	9	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	9	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	9	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	9	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	11	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	11	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	11	0.15
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	11	0.15
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	11	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	11	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	11	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	11	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	15	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	15	0.15
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	15	0.15
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	15	0.15
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	15	0.15
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	15	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	15	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	15	0.15
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	15	0.15
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	1	0.15
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	1	0.15
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	6	0.15
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	7	0.15
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	12	0.15
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	2	0.15
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	3	0.15
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	20	0.15
(1,3803)	1:68:B:VAL:HA	1:71:B:GLU:HG3	3	0.15
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	3	0.15
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	14	0.15
(1,3792)	1:68:B:VAL:H	1:67:B:GLU:HG2	17	0.15
(1,3792)	1:68:B:VAL:H	1:67:B:GLU:HG3	17	0.15
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	8	0.15
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	8	0.15
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	8	0.15
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	1	0.15
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	1	0.15
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	1	0.15
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	2	0.15
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	3	0.15
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	20	0.15
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	9	0.15
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	12	0.15
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	19	0.15
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	1	0.15
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	12	0.15
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	13	0.15
(1,3634)	1:63:B:GLU:H	1:64:B:ALA:HA	15	0.15
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE2	17	0.15
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE3	17	0.15
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	2	0.15
(1,3442)	1:52:B:SER:HB2	1:51:B:LEU:HB2	9	0.15
(1,3442)	1:52:B:SER:HB3	1:51:B:LEU:HB2	9	0.15
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	6	0.15
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	7	0.15
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	14	0.15
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	20	0.15
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	3	0.15
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	6	0.15
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	12	0.15
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	14	0.15
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	16	0.15
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	18	0.15
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	5	0.15
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	19	0.15
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	19	0.15
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	19	0.15
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	3	0.15
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	3	0.15
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	3	0.15
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	10	0.15
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	10	0.15
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	10	0.15
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	10	0.15
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	19	0.15
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	14	0.15
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	8	0.15
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	19	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	6	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	6	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	6	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	6	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	6	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	6	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	11	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	11	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	11	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	11	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	11	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	12	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	12	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	12	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	12	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	12	0.15
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	12	0.15
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	17	0.15
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	17	0.15
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	17	0.15
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	18	0.15
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	18	0.15
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	18	0.15
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	8	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	4	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	4	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	4	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	4	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	4	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	4	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	4	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	4	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	4	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	8	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	8	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	8	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	8	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	8	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	8	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	8	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	8	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	8	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	10	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	10	0.15
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	10	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	10	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	10	0.15
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	10	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	10	0.15
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	10	0.15
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	1	0.15
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	5	0.15
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	10	0.15
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	19	0.15
(1,2474)	1:11:B:ASN:HD21	1:54:B:LEU:HA	14	0.15
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	3	0.15
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	9	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	1	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	1	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	2	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	2	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	4	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	4	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	5	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	5	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	7	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	7	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	11	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	11	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	13	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	13	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	14	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	14	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	15	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	15	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	16	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	16	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	20	0.15
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	20	0.15
(1,2416)	1:8:B:ASN:H	1:6:B:VAL:HB	10	0.15
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE2	16	0.15
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE3	16	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	1	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	1	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	3	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	3	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	4	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	4	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	7	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	7	0.15
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	12	0.15
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	4	0.15
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	18	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	9	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	9	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	9	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	14	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	14	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	14	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	19	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	19	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	19	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	20	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	20	0.15
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	20	0.15
(1,2085)	1:102:A:LYS:H	1:103:A:ALA:HA	6	0.15
(1,2078)	1:101:A:SER:HB2	1:100:A:VAL:HB	9	0.15
(1,2078)	1:101:A:SER:HB3	1:100:A:VAL:HB	9	0.15
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	3	0.15
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	7	0.15
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	16	0.15
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	17	0.15
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	2	0.15
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	9	0.15
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	18	0.15
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	20	0.15
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	8	0.15
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	13	0.15
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	1	0.15
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	12	0.15
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	12	0.15
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	6	0.15
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	10	0.15
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD11	10	0.15
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD12	10	0.15
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD13	10	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	3	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	3	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	3	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	3	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	3	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	3	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	3	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	3	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	4	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	4	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	4	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	4	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	4	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	4	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	4	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	4	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	4	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	8	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	8	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	8	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	8	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	8	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	8	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	8	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	8	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	8	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	10	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	10	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	10	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	10	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	10	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	10	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	10	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	10	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	10	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	11	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	11	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	11	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	11	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	11	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	11	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	11	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	11	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	11	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	18	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	18	0.15
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	18	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	18	0.15
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	18	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	18	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	18	0.15
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	18	0.15
(1,1531)	1:70:A:LEU:H	1:71:A:GLU:HB3	1	0.15
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	5	0.15
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	9	0.15
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	6	0.15
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	7	0.15
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	15	0.15
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	18	0.15
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	16	0.15
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	20	0.15
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	5	0.15
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	10	0.15
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG2	7	0.15
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG3	7	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	2	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	2	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	2	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	3	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	3	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	3	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	7	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	7	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	7	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	14	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	14	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	14	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	17	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	17	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	17	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	20	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	20	0.15
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	20	0.15
(1,1437)	1:66:A:VAL:HG11	1:69:A:LEU:HG	9	0.15
(1,1437)	1:66:A:VAL:HG12	1:69:A:LEU:HG	9	0.15
(1,1437)	1:66:A:VAL:HG13	1:69:A:LEU:HG	9	0.15
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	16	0.15
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	1	0.15
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	2	0.15
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	4	0.15
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	12	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	6	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	6	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	6	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	6	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	6	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	6	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	7	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	7	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	7	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	7	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	7	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	7	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	9	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	9	0.15
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	9	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	9	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	9	0.15
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	9	0.15
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	5	0.15
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	6	0.15
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	11	0.15
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	12	0.15
(1,1321)	1:63:A:GLU:H	1:64:A:ALA:HA	13	0.15
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	12	0.15
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	12	0.15
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	12	0.15
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE2	18	0.15
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE3	18	0.15
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	8	0.15
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	12	0.15
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	6	0.15
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	9	0.15
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	13	0.15
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	1	0.15
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	4	0.15
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	9	0.15
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	10	0.15
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	1	0.15
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	4	0.15
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG21	15	0.15
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG22	15	0.15
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG23	15	0.15
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	5	0.15
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	5	0.15
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	5	0.15
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	10	0.15
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	10	0.15
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	10	0.15
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG21	5	0.15
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG22	5	0.15
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG23	5	0.15
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG21	16	0.15
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG22	16	0.15
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG23	16	0.15
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG11	15	0.15
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG12	15	0.15
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG13	15	0.15
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG21	15	0.15
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG22	15	0.15
(1,731)	1:36:A:ASN:H	1:33:A:VAL:HG23	15	0.15
(1,658)	1:31:A:THR:H	1:32:A:ALA:HA	11	0.15
(1,652)	1:31:A:THR:H	1:29:A:LEU:HA	16	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	12	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	12	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	12	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	12	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	12	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	12	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	18	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	18	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	18	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	18	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	18	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	18	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	19	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	19	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	19	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	19	0.15
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	19	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	5	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	5	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	5	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	8	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	8	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	8	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	16	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	16	0.15
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	16	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	9	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	9	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	9	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	13	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	13	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	13	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	17	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	17	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	17	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	20	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	20	0.15
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	20	0.15
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	4	0.15
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	4	0.15
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	4	0.15
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	1	0.15
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	1	0.15
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	1	0.15
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	7	0.15
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	7	0.15
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	7	0.15
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	2	0.15
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	4	0.15
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	7	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	1	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	1	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	1	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	1	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	1	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	1	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	1	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	1	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	2	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	2	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	2	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	2	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	2	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	2	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	2	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	2	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	2	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	17	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	17	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	17	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	17	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	17	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	17	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	17	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	17	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	17	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	19	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	19	0.15
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	19	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	19	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	19	0.15
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	19	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	19	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	19	0.15
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	19	0.15
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	3	0.15
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	4	0.15
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	15	0.15
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD2	18	0.15
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD3	18	0.15
(1,195)	1:13:A:LEU:H	1:14:A:ARG:HB3	8	0.15
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	7	0.15
(1,159)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	9	0.15
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	7	0.15
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	8	0.15
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	12	0.15
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	12	0.15
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	12	0.15
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	17	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	2	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	2	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	4	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	4	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	5	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	5	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	10	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	10	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	11	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	11	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	20	0.15
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	20	0.15
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	11	0.14
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	11	0.14
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	15	0.14
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	15	0.14
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	1	0.14
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	2	0.14
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	7	0.14
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	17	0.14
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	19	0.14
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	5	0.14
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	11	0.14
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	12	0.14
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	14	0.14
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	5	0.14
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	12	0.14
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	19	0.14
(1,7216)	1:102:A:LYS:HB2	1:101:A:SER:HB2	9	0.14
(1,7216)	1:102:A:LYS:HB2	1:101:A:SER:HB3	9	0.14
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	11	0.14
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	11	0.14
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	11	0.14
(1,7200)	1:101:A:SER:HB2	1:100:A:VAL:HB	17	0.14
(1,7200)	1:101:A:SER:HB3	1:100:A:VAL:HB	17	0.14
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	1	0.14
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	9	0.14
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	18	0.14
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	1	0.14
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	3	0.14
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	8	0.14
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	19	0.14
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	5	0.14
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	5	0.14
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	5	0.14
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	15	0.14
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	16	0.14
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	19	0.14
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	20	0.14
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	5	0.14
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	15	0.14
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	16	0.14
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	19	0.14
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	20	0.14
(1,6908)	1:82:A:SER:H	1:79:A:LEU:HB3	1	0.14
(1,6908)	1:82:A:SER:H	1:79:A:LEU:HB3	4	0.14
(1,6908)	1:82:A:SER:H	1:79:A:LEU:HB3	12	0.14
(1,6908)	1:82:A:SER:H	1:79:A:LEU:HB3	15	0.14
(1,6908)	1:82:A:SER:H	1:79:A:LEU:HB3	18	0.14
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	9	0.14
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	14	0.14
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	17	0.14
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	19	0.14
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	8	0.14
(1,6708)	1:73:A:LEU:H	1:74:A:THR:HA	17	0.14
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	6	0.14
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	9	0.14
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	14	0.14
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	14	0.14
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	14	0.14
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	19	0.14
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	19	0.14
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	19	0.14
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	17	0.14
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	17	0.14
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	17	0.14
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	17	0.14
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	17	0.14
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	17	0.14
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	17	0.14
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	17	0.14
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG21	19	0.14
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG22	19	0.14
(1,6656)	1:70:A:LEU:HD21	1:74:A:THR:HG23	19	0.14
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG21	19	0.14
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG22	19	0.14
(1,6656)	1:70:A:LEU:HD22	1:74:A:THR:HG23	19	0.14
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG21	19	0.14
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG22	19	0.14
(1,6656)	1:70:A:LEU:HD23	1:74:A:THR:HG23	19	0.14
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	7	0.14
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	11	0.14
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	15	0.14
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	19	0.14
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	20	0.14
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	3	0.14
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	11	0.14
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	14	0.14
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	18	0.14
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	12	0.14
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	15	0.14
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	16	0.14
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG2	18	0.14
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG3	18	0.14
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	4	0.14
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	4	0.14
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	4	0.14
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	15	0.14
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	15	0.14
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	15	0.14
(1,6565)	1:66:A:VAL:HG21	1:6:A:VAL:HB	15	0.14
(1,6565)	1:66:A:VAL:HG22	1:6:A:VAL:HB	15	0.14
(1,6565)	1:66:A:VAL:HG23	1:6:A:VAL:HB	15	0.14
(1,6559)	1:66:A:VAL:HG11	1:69:A:LEU:HG	11	0.14
(1,6559)	1:66:A:VAL:HG12	1:69:A:LEU:HG	11	0.14
(1,6559)	1:66:A:VAL:HG13	1:69:A:LEU:HG	11	0.14
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	5	0.14
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	7	0.14
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	10	0.14
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	11	0.14
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	13	0.14
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	14	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	2	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	2	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	2	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	2	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	2	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	5	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	5	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	5	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	5	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	5	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	5	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	11	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	11	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	11	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	11	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	11	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	11	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	12	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	12	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	12	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	12	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	12	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	12	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	14	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	14	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	14	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	14	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	14	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	14	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	15	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	15	0.14
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	15	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	15	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	15	0.14
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	15	0.14
(1,6430)	1:63:A:GLU:H	1:1:A:PRO:HG2	9	0.14
(1,6430)	1:63:A:GLU:H	1:1:A:PRO:HG3	9	0.14
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	4	0.14
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	10	0.14
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	11	0.14
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	16	0.14
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6363)	1:59:A:MET:H	1:56:A:ASP:HA	16	0.14
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE1	20	0.14
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE2	20	0.14
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE3	20	0.14
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD21	17	0.14
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD22	17	0.14
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD23	17	0.14
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	2	0.14
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	5	0.14
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	11	0.14
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	16	0.14
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	3	0.14
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	7	0.14
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	18	0.14
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	19	0.14
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	6	0.14
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	7	0.14
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	14	0.14
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	8	0.14
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	8	0.14
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	8	0.14
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG21	8	0.14
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG22	8	0.14
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG23	8	0.14
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	2	0.14
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	7	0.14
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	16	0.14
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG21	6	0.14
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG22	6	0.14
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG23	6	0.14
(1,5780)	1:31:A:THR:H	1:32:A:ALA:HA	15	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	1	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	1	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	1	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	1	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	1	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	1	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	2	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	2	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	2	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	2	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	2	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	3	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	3	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	3	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	3	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	3	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	3	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	6	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	6	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	6	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	6	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	6	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	6	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	7	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	7	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	7	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	7	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	7	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	7	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	9	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	9	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	9	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	9	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	9	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	9	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	16	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	16	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	16	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	16	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	16	0.14
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	16	0.14
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	6	0.14
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	6	0.14
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	6	0.14
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	20	0.14
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	20	0.14
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	20	0.14
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	1	0.14
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	1	0.14
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	1	0.14
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	10	0.14
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	10	0.14
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	14	0.14
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	14	0.14
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	14	0.14
(1,5584)	1:23:A:ASN:HD21	1:19:A:LYS:HB3	16	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	4	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	4	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	4	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	14	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	14	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	14	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	15	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	15	0.14
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	15	0.14
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	8	0.14
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	12	0.14
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	8	0.14
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	8	0.14
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	8	0.14
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	8	0.14
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	8	0.14
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	8	0.14
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	8	0.14
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	8	0.14
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	8	0.14
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	12	0.14
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	12	0.14
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	12	0.14
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	12	0.14
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	12	0.14
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	12	0.14
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	12	0.14
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	12	0.14
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	12	0.14
(1,5400)	1:18:A:ALA:H	1:21:A:ARG:HE	20	0.14
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	3	0.14
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	12	0.14
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	15	0.14
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	2	0.14
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	8	0.14
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	10	0.14
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	20	0.14
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD2	8	0.14
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD3	8	0.14
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	1	0.14
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	3	0.14
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	4	0.14
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	17	0.14
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	9	0.14
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	18	0.14
(1,5281)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	18	0.14
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	4	0.14
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	3	0.14
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	4	0.14
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	10	0.14
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	14	0.14
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	15	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	3	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	3	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	7	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	7	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	8	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	8	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	9	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	9	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	12	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	12	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	14	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	14	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	15	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	15	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	16	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	16	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	17	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	17	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	18	0.14
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	18	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	2	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	2	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	2	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	4	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	4	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	6	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	6	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	6	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	7	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	7	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	7	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	15	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	15	0.14
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	15	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	5	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	5	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	5	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	6	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	6	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	6	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	15	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	15	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	15	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	18	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	18	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	18	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	19	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	19	0.14
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	19	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	3	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	3	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	3	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	4	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	4	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	4	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	11	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	11	0.14
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	11	0.14
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	8	0.14
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	8	0.14
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB2	19	0.14
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB3	19	0.14
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB2	20	0.14
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB3	20	0.14
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	7	0.14
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	7	0.14
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	12	0.14
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	12	0.14
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	12	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	5	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	5	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	5	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	5	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	5	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	5	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	5	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	5	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	5	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	7	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	7	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	7	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	7	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	7	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	7	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	7	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	7	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	7	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	20	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	20	0.14
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	20	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	20	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	20	0.14
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	20	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	20	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	20	0.14
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	20	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG21	2	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG22	2	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG23	2	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG21	15	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG22	15	0.14
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG23	15	0.14
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	9	0.14
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	9	0.14
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	5	0.14
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	19	0.14
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	7	0.14
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	4	0.14
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	18	0.14
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	15	0.14
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	15	0.14
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	15	0.14
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	4	0.14
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	4	0.14
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	4	0.14
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	2	0.14
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	6	0.14
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	16	0.14
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	1	0.14
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	8	0.14
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	10	0.14
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	5	0.14
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	6	0.14
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	14	0.14
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	19	0.14
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	5	0.14
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	15	0.14
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	17	0.14
(1,4192)	1:90:B:THR:H	1:88:B:VAL:HB	18	0.14
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	1	0.14
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	2	0.14
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	1	0.14
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	2	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	3	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	5	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	7	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	8	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	13	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	16	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	17	0.14
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	18	0.14
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	17	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	1	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	1	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	1	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	1	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	1	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	1	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	1	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	1	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	5	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	5	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	5	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	5	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	5	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	5	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	5	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	5	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	5	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	13	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	13	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	13	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	13	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	13	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	13	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	13	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	13	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	13	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	18	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	18	0.14
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	18	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	18	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	18	0.14
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	18	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	18	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	18	0.14
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	18	0.14
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	2	0.14
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	4	0.14
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	9	0.14
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	11	0.14
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	14	0.14
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	17	0.14
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	18	0.14
(1,3832)	1:70:B:LEU:H	1:66:B:VAL:HA	18	0.14
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	2	0.14
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	10	0.14
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	8	0.14
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	15	0.14
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	5	0.14
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	5	0.14
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	11	0.14
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	11	0.14
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	11	0.14
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	6	0.14
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	6	0.14
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	6	0.14
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	5	0.14
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	6	0.14
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	11	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	5	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	5	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	5	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	5	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	5	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	5	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	6	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	6	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	6	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	6	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	6	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	6	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	9	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	9	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	9	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	9	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	9	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	9	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	12	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	12	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	12	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	12	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	12	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	12	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	14	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	14	0.14
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	14	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	14	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	14	0.14
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	14	0.14
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE3	15	0.14
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	9	0.14
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	14	0.14
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	19	0.14
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	1	0.14
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	1	0.14
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	1	0.14
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	7	0.14
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	7	0.14
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	7	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	1	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	2	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	3	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	8	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	9	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	11	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	12	0.14
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	18	0.14
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	1	0.14
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	9	0.14
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	11	0.14
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	13	0.14
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	20	0.14
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	4	0.14
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	4	0.14
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	4	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	1	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	1	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	1	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	2	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	2	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	2	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	13	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	13	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	13	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	16	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	16	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	16	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	20	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	20	0.14
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	20	0.14
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	15	0.14
(1,3092)	1:38:B:VAL:HG21	1:99:B:SER:HA	17	0.14
(1,3092)	1:38:B:VAL:HG22	1:99:B:SER:HA	17	0.14
(1,3092)	1:38:B:VAL:HG23	1:99:B:SER:HA	17	0.14
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB2	14	0.14
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB3	14	0.14
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	6	0.14
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	11	0.14
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	12	0.14
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	4	0.14
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	10	0.14
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	15	0.14
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	17	0.14
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	20	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	3	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	3	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	3	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	3	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	3	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	3	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	7	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	7	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	7	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	7	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	7	0.14
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	7	0.14
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	20	0.14
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	20	0.14
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	20	0.14
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	9	0.14
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	9	0.14
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	9	0.14
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	10	0.14
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	10	0.14
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	10	0.14
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	4	0.14
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	4	0.14
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	4	0.14
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	2	0.14
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	2	0.14
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	2	0.14
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	9	0.14
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	9	0.14
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	13	0.14
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	13	0.14
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	13	0.14
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	11	0.14
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	11	0.14
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	11	0.14
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	17	0.14
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	18	0.14
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	20	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	5	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	5	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	5	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	5	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	5	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	5	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	5	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	5	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	5	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	7	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	7	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	7	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	7	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	7	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	7	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	7	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	7	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	7	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	18	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	18	0.14
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	18	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	18	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	18	0.14
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	18	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	18	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	18	0.14
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	18	0.14
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	15	0.14
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	20	0.14
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	1	0.14
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	7	0.14
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	13	0.14
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	10	0.14
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	10	0.14
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	12	0.14
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	12	0.14
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	17	0.14
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	17	0.14
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD2	19	0.14
(1,2439)	1:9:B:SER:H	1:10:B:PRO:HD3	19	0.14
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	6	0.14
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	6	0.14
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	6	0.14
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	8	0.14
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	9	0.14
(1,2416)	1:8:B:ASN:H	1:6:B:VAL:HB	19	0.14
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	11	0.14
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	11	0.14
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	15	0.14
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	15	0.14
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	1	0.14
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	2	0.14
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	7	0.14
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	17	0.14
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	19	0.14
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	5	0.14
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	11	0.14
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	12	0.14
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	14	0.14
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	5	0.14
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	12	0.14
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	19	0.14
(1,2094)	1:102:A:LYS:HB2	1:101:A:SER:HB2	9	0.14
(1,2094)	1:102:A:LYS:HB2	1:101:A:SER:HB3	9	0.14
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	11	0.14
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	11	0.14
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	11	0.14
(1,2078)	1:101:A:SER:HB2	1:100:A:VAL:HB	17	0.14
(1,2078)	1:101:A:SER:HB3	1:100:A:VAL:HB	17	0.14
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	1	0.14
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	9	0.14
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	1	0.14
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	3	0.14
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	7	0.14
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	8	0.14
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	19	0.14
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	5	0.14
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	5	0.14
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	5	0.14
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	15	0.14
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	16	0.14
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	19	0.14
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	20	0.14
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	5	0.14
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	15	0.14
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	16	0.14
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	19	0.14
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	20	0.14
(1,1786)	1:82:A:SER:H	1:79:A:LEU:HB3	1	0.14
(1,1786)	1:82:A:SER:H	1:79:A:LEU:HB3	4	0.14
(1,1786)	1:82:A:SER:H	1:79:A:LEU:HB3	12	0.14
(1,1786)	1:82:A:SER:H	1:79:A:LEU:HB3	15	0.14
(1,1786)	1:82:A:SER:H	1:79:A:LEU:HB3	18	0.14
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	9	0.14
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	14	0.14
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	17	0.14
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	19	0.14
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	8	0.14
(1,1586)	1:73:A:LEU:H	1:74:A:THR:HA	17	0.14
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	6	0.14
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	9	0.14
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	14	0.14
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	14	0.14
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	14	0.14
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	19	0.14
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	19	0.14
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	19	0.14
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	17	0.14
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	17	0.14
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	17	0.14
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	17	0.14
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	17	0.14
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	17	0.14
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	17	0.14
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	17	0.14
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG21	19	0.14
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG22	19	0.14
(1,1534)	1:70:A:LEU:HD21	1:74:A:THR:HG23	19	0.14
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG21	19	0.14
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG22	19	0.14
(1,1534)	1:70:A:LEU:HD22	1:74:A:THR:HG23	19	0.14
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG21	19	0.14
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG22	19	0.14
(1,1534)	1:70:A:LEU:HD23	1:74:A:THR:HG23	19	0.14
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	7	0.14
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	11	0.14
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	15	0.14
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	19	0.14
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	20	0.14
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	3	0.14
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	11	0.14
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	14	0.14
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	18	0.14
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	12	0.14
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	15	0.14
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	16	0.14
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG2	18	0.14
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG3	18	0.14
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	4	0.14
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	4	0.14
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	4	0.14
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	15	0.14
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	15	0.14
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	15	0.14
(1,1443)	1:66:A:VAL:HG21	1:6:A:VAL:HB	15	0.14
(1,1443)	1:66:A:VAL:HG22	1:6:A:VAL:HB	15	0.14
(1,1443)	1:66:A:VAL:HG23	1:6:A:VAL:HB	15	0.14
(1,1437)	1:66:A:VAL:HG11	1:69:A:LEU:HG	11	0.14
(1,1437)	1:66:A:VAL:HG12	1:69:A:LEU:HG	11	0.14
(1,1437)	1:66:A:VAL:HG13	1:69:A:LEU:HG	11	0.14
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	5	0.14
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	7	0.14
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	10	0.14
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	13	0.14
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	14	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	2	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	2	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	2	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	2	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	2	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	2	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	5	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	5	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	5	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	5	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	5	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	5	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	11	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	11	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	11	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	11	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	11	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	11	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	12	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	12	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	12	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	12	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	12	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	12	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	14	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	14	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	14	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	14	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	14	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	14	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	15	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	15	0.14
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	15	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	15	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	15	0.14
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	15	0.14
(1,1308)	1:63:A:GLU:H	1:1:A:PRO:HG2	9	0.14
(1,1308)	1:63:A:GLU:H	1:1:A:PRO:HG3	9	0.14
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	4	0.14
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	11	0.14
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	16	0.14
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	17	0.14
(1,1241)	1:59:A:MET:H	1:56:A:ASP:HA	16	0.14
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE1	20	0.14
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE2	20	0.14
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE3	20	0.14
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD21	17	0.14
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD22	17	0.14
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD23	17	0.14
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	2	0.14
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	5	0.14
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	11	0.14
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	16	0.14
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	3	0.14
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	7	0.14
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	18	0.14
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	19	0.14
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	6	0.14
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	7	0.14
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	14	0.14
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	8	0.14
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	8	0.14
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	8	0.14
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG21	8	0.14
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG22	8	0.14
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG23	8	0.14
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	2	0.14
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	7	0.14
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	16	0.14
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG21	6	0.14
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG22	6	0.14
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG23	6	0.14
(1,658)	1:31:A:THR:H	1:32:A:ALA:HA	15	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	1	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	1	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	1	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	1	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	1	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	1	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	2	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	2	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	2	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	2	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	2	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	3	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	3	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	3	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	3	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	3	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	3	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	6	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	6	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	6	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	6	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	6	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	6	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	7	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	7	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	7	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	7	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	7	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	7	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	9	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	9	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	9	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	9	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	9	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	9	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	16	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	16	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	16	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	16	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	16	0.14
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	16	0.14
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	6	0.14
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	6	0.14
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	6	0.14
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	20	0.14
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	20	0.14
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	20	0.14
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	1	0.14
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	1	0.14
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	10	0.14
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	10	0.14
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	10	0.14
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	14	0.14
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	14	0.14
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	14	0.14
(1,462)	1:23:A:ASN:HD21	1:19:A:LYS:HB3	16	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	4	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	4	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	4	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	14	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	14	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	14	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	15	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	15	0.14
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	15	0.14
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	8	0.14
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	12	0.14
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	8	0.14
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	8	0.14
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	8	0.14
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	8	0.14
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	8	0.14
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	8	0.14
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	8	0.14
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	8	0.14
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	8	0.14
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	12	0.14
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	12	0.14
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	12	0.14
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	12	0.14
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	12	0.14
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	12	0.14
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	12	0.14
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	12	0.14
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	12	0.14
(1,278)	1:18:A:ALA:H	1:21:A:ARG:HE	20	0.14
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	3	0.14
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	12	0.14
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	15	0.14
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	8	0.14
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	10	0.14
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	12	0.14
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	20	0.14
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD2	8	0.14
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD3	8	0.14
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	1	0.14
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	3	0.14
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	4	0.14
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	17	0.14
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	9	0.14
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	18	0.14
(1,159)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	18	0.14
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	4	0.14
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	3	0.14
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	4	0.14
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	10	0.14
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	14	0.14
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	15	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	3	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	3	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	7	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	7	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	8	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	8	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	9	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	9	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	12	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	12	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	14	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	14	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	15	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	15	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	16	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	16	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	17	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	17	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	18	0.14
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	18	0.14
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE2	18	0.13
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE3	18	0.13
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7350)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	6	0.13
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	3	0.13
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	6	0.13
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	10	0.13
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	13	0.13
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	15	0.13
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	16	0.13
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	13	0.13
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	7	0.13
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	11	0.13
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	13	0.13
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	18	0.13
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	5	0.13
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	6	0.13
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	13	0.13
(1,7154)	1:98:A:ASN:HD22	1:95:A:LEU:HA	14	0.13
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	1	0.13
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	3	0.13
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	7	0.13
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	18	0.13
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	19	0.13
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	20	0.13
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	8	0.13
(1,7028)	1:91:A:THR:H	1:90:A:THR:HB	6	0.13
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	1	0.13
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	4	0.13
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	17	0.13
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	1	0.13
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	4	0.13
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	17	0.13
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	7	0.13
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	8	0.13
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	13	0.13
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	16	0.13
(1,6817)	1:77:A:LEU:H	1:80:A:LEU:HB2	19	0.13
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG21	7	0.13
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG22	7	0.13
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG23	7	0.13
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG21	17	0.13
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG22	17	0.13
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG23	17	0.13
(1,6766)	1:75:A:ALA:H	1:73:A:LEU:HB2	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	3	0.13
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	13	0.13
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	14	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	2	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	2	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	2	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	11	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	11	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	11	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	13	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	13	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	13	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	20	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	20	0.13
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	20	0.13
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	3	0.13
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	4	0.13
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	8	0.13
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	17	0.13
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	18	0.13
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	5	0.13
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	13	0.13
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	19	0.13
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	3	0.13
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	8	0.13
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	10	0.13
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	17	0.13
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	9	0.13
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	20	0.13
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG2	9	0.13
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG3	9	0.13
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	8	0.13
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	8	0.13
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	8	0.13
(1,6565)	1:66:A:VAL:HG21	1:6:A:VAL:HB	2	0.13
(1,6565)	1:66:A:VAL:HG22	1:6:A:VAL:HB	2	0.13
(1,6565)	1:66:A:VAL:HG23	1:6:A:VAL:HB	2	0.13
(1,6559)	1:66:A:VAL:HG11	1:69:A:LEU:HG	18	0.13
(1,6559)	1:66:A:VAL:HG12	1:69:A:LEU:HG	18	0.13
(1,6559)	1:66:A:VAL:HG13	1:69:A:LEU:HG	18	0.13
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	3	0.13
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	10	0.13
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	17	0.13
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	3	0.13
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	6	0.13
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	18	0.13
(1,6472)	1:64:A:ALA:H	1:59:A:MET:HG2	20	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	4	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	4	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	4	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	4	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	4	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	4	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	10	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	10	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	10	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	10	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	10	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	10	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	13	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	13	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	13	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	13	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	13	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	13	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	17	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	17	0.13
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	17	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	17	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	17	0.13
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	17	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	8	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	8	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	8	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	14	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	14	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	14	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	20	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	20	0.13
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	20	0.13
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE2	16	0.13
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE3	16	0.13
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	14	0.13
(1,6363)	1:59:A:MET:H	1:56:A:ASP:HA	13	0.13
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD21	8	0.13
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD22	8	0.13
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD23	8	0.13
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	8	0.13
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	9	0.13
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	13	0.13
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	20	0.13
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	1	0.13
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	3	0.13
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	4	0.13
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	7	0.13
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	10	0.13
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	18	0.13
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	20	0.13
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	2	0.13
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	16	0.13
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	17	0.13
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	5	0.13
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	19	0.13
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG21	16	0.13
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG22	16	0.13
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG23	16	0.13
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	13	0.13
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	13	0.13
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	13	0.13
(1,5917)	1:39:A:ASP:H	1:40:A:VAL:HA	15	0.13
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG21	11	0.13
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG22	11	0.13
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG23	11	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	1	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	3	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	6	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	9	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	10	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	12	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	13	0.13
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	20	0.13
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG21	12	0.13
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG22	12	0.13
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG23	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5780)	1:31:A:THR:H	1:32:A:ALA:HA	18	0.13
(1,5774)	1:31:A:THR:H	1:29:A:LEU:HA	5	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	4	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	4	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	4	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	4	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	4	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	4	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	10	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	10	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	10	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	10	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	10	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	10	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	13	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	13	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	13	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	13	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	13	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	13	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	17	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	17	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	17	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	17	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	17	0.13
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	17	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	9	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	9	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	9	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	11	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	11	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	11	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	13	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	13	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	13	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	17	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	17	0.13
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	17	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	1	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	1	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	1	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	2	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	2	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	10	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	10	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	10	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	14	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	14	0.13
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	14	0.13
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	16	0.13
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	16	0.13
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	16	0.13
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	6	0.13
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	6	0.13
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	6	0.13
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	11	0.13
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	11	0.13
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	11	0.13
(1,5581)	1:23:A:ASN:HB3	1:20:A:ALA:HA	12	0.13
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	10	0.13
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	10	0.13
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	10	0.13
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	17	0.13
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	17	0.13
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	17	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	4	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	4	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	4	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	9	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	9	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	9	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	13	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	13	0.13
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	13	0.13
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	16	0.13
(1,5432)	1:19:A:LYS:H	1:22:A:ILE:HB	17	0.13
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	3	0.13
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	3	0.13
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	11	0.13
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	11	0.13
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	15	0.13
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	15	0.13
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	20	0.13
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	9	0.13
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	9	0.13
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	9	0.13
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	9	0.13
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	9	0.13
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	9	0.13
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	9	0.13
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	9	0.13
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	9	0.13
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	4	0.13
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	13	0.13
(1,5281)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	16	0.13
(1,5268)	1:11:A:ASN:H	1:59:A:MET:HG2	20	0.13
(1,5268)	1:11:A:ASN:H	1:59:A:MET:HG3	20	0.13
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	5	0.13
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	6	0.13
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	11	0.13
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	15	0.13
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	17	0.13
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	8	0.13
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	16	0.13
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD2	13	0.13
(1,5235)	1:9:A:SER:H	1:10:A:PRO:HD3	13	0.13
(1,5226)	1:8:A:ASN:H	1:6:A:VAL:HB	16	0.13
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	10	0.13
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	10	0.13
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	10	0.13
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD11	11	0.13
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD12	11	0.13
(1,5119)	1:109:A:ALA:HA	1:7:B:LEU:HD13	11	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	3	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	3	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	16	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	16	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	18	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	18	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	19	0.13
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	19	0.13
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	8	0.13
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	8	0.13
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	17	0.13
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	17	0.13
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	17	0.13
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	4	0.13
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	4	0.13
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	4	0.13
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	10	0.13
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	10	0.13
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	10	0.13
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	7	0.13
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	7	0.13
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	7	0.13
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	7	0.13
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	7	0.13
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	7	0.13
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	7	0.13
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	7	0.13
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	7	0.13
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	9	0.13
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	9	0.13
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	9	0.13
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB1	3	0.13
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB2	3	0.13
(1,4887)	1:3:A:PHE:HE1	1:109:B:ALA:HB3	3	0.13
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB1	3	0.13
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB2	3	0.13
(1,4887)	1:3:A:PHE:HE2	1:109:B:ALA:HB3	3	0.13
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	1	0.13
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	1	0.13
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	4	0.13
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	4	0.13
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	10	0.13
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	10	0.13
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	14	0.13
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	14	0.13
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	16	0.13
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	16	0.13
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	19	0.13
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	19	0.13
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	19	0.13
(1,4857)	1:101:B:SER:H	1:14:A:ARG:HD2	9	0.13
(1,4857)	1:101:B:SER:H	1:14:A:ARG:HD3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB2	7	0.13
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB3	7	0.13
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	2	0.13
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	2	0.13
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	2	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	8	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	8	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	8	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	10	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	10	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	10	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	18	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	18	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	18	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	20	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	20	0.13
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	20	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	3	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	3	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	3	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	3	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	3	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	3	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	3	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	3	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	3	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	9	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	9	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	9	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	9	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	9	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	9	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	9	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	9	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	9	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	14	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	14	0.13
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	14	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	14	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	14	0.13
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	14	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	14	0.13
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	14	0.13
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG21	10	0.13
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG22	10	0.13
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG23	10	0.13
(1,4638)	1:3:B:PHE:HE1	1:69:A:LEU:HB2	16	0.13
(1,4638)	1:3:B:PHE:HE2	1:69:A:LEU:HB2	16	0.13
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	4	0.13
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	7	0.13
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	10	0.13
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	10	0.13
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	11	0.13
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	12	0.13
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	13	0.13
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	12	0.13
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	12	0.13
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	5	0.13
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	13	0.13
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	18	0.13
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	3	0.13
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	6	0.13
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	9	0.13
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	11	0.13
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	4	0.13
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	4	0.13
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	4	0.13
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	10	0.13
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	10	0.13
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	10	0.13
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG21	17	0.13
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG22	17	0.13
(1,4403)	1:102:B:LYS:HA	1:40:B:VAL:HG23	17	0.13
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	5	0.13
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	13	0.13
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	15	0.13
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	20	0.13
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	13	0.13
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	17	0.13
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	19	0.13
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	20	0.13
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	4	0.13
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	16	0.13
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	18	0.13
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	1	0.13
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	4	0.13
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	6	0.13
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	8	0.13
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	11	0.13
(1,4192)	1:90:B:THR:H	1:88:B:VAL:HB	3	0.13
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	6	0.13
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	14	0.13
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	16	0.13
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	18	0.13
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	19	0.13
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	20	0.13
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	6	0.13
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	14	0.13
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	16	0.13
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	18	0.13
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	19	0.13
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	20	0.13
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	4	0.13
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	6	0.13
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	11	0.13
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	14	0.13
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	19	0.13
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	20	0.13
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	6	0.13
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG21	13	0.13
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG22	13	0.13
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG23	13	0.13
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	11	0.13
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	14	0.13
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG21	14	0.13
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG22	14	0.13
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG23	14	0.13
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	12	0.13
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	12	0.13
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	12	0.13
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	12	0.13
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	12	0.13
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	12	0.13
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	12	0.13
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	12	0.13
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	18	0.13
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	3	0.13
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	15	0.13
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	16	0.13
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	19	0.13
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	20	0.13
(1,3832)	1:70:B:LEU:H	1:66:B:VAL:HA	6	0.13
(1,3832)	1:70:B:LEU:H	1:66:B:VAL:HA	9	0.13
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	1	0.13
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	7	0.13
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	13	0.13
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	16	0.13
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	17	0.13
(1,3803)	1:68:B:VAL:HA	1:71:B:GLU:HG3	19	0.13
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	8	0.13
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	12	0.13
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	19	0.13
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	4	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	2	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	2	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	2	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	3	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	3	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	3	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	16	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	16	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	16	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	18	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	18	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	18	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	20	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	20	0.13
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	20	0.13
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	4	0.13
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	4	0.13
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	4	0.13
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	1	0.13
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	7	0.13
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	13	0.13
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	17	0.13
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	13	0.13
(1,3703)	1:65:B:LYS:H	1:66:B:VAL:HB	18	0.13
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	4	0.13
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	4	0.13
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	4	0.13
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	4	0.13
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	4	0.13
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	4	0.13
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	15	0.13
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	15	0.13
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	15	0.13
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	15	0.13
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	15	0.13
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	15	0.13
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	3	0.13
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	5	0.13
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	7	0.13
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	15	0.13
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE1	10	0.13
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE2	10	0.13
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE3	10	0.13
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD21	13	0.13
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD22	13	0.13
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD23	13	0.13
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	2	0.13
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	2	0.13
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	2	0.13
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	16	0.13
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	16	0.13
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	16	0.13
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	1	0.13
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	14	0.13
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	16	0.13
(1,3246)	1:44:B:THR:H	1:103:B:ALA:HA	15	0.13
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	4	0.13
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	7	0.13
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	8	0.13
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	10	0.13
(1,3203)	1:43:B:PHE:H	1:40:B:VAL:HB	17	0.13
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	12	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	8	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	8	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	10	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	10	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	10	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	11	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	11	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	11	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	20	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	20	0.13
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	20	0.13
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	20	0.13
(1,3102)	1:39:B:ASP:H	1:34:B:GLY:H	5	0.13
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG21	15	0.13
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG22	15	0.13
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG23	15	0.13
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB2	5	0.13
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB3	5	0.13
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	3	0.13
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	7	0.13
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	18	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	3	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	3	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	3	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	5	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	5	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	5	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	6	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	6	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	6	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	16	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	16	0.13
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	16	0.13
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	8	0.13
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	8	0.13
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	8	0.13
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	1	0.13
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	1	0.13
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	1	0.13
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	10	0.13
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	10	0.13
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	2	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	2	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	2	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	5	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	5	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	5	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	8	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	8	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	8	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	19	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	19	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	19	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	20	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	20	0.13
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	20	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	8	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	8	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	8	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	11	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	11	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	11	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	16	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	16	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	16	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	19	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	19	0.13
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	19	0.13
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	3	0.13
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	7	0.13
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	6	0.13
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	6	0.13
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	3	0.13
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	3	0.13
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	3	0.13
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	3	0.13
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	3	0.13
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	3	0.13
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	3	0.13
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	3	0.13
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	3	0.13
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	13	0.13
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	13	0.13
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	13	0.13
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	13	0.13
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	13	0.13
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	13	0.13
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	13	0.13
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	13	0.13
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	2	0.13
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	10	0.13
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	17	0.13
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	18	0.13
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	6	0.13
(1,2574)	1:18:B:ALA:H	1:15:B:SER:H	15	0.13
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	2	0.13
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	19	0.13
(1,2474)	1:11:B:ASN:HD21	1:54:B:LEU:HA	4	0.13
(1,2471)	1:11:B:ASN:HD21	1:10:B:PRO:HB3	12	0.13
(1,2463)	1:11:B:ASN:HB2	1:57:B:SER:HA	17	0.13
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	2	0.13
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	7	0.13
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	15	0.13
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	12	0.13
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	12	0.13
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	12	0.13
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	19	0.13
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	20	0.13
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE2	18	0.13
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE3	18	0.13
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB2	6	0.13
(1,2228)	1:106:A:GLN:HE22	1:102:A:LYS:HB3	6	0.13
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	3	0.13
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	6	0.13
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	10	0.13
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	13	0.13
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	15	0.13
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	16	0.13
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	13	0.13
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	7	0.13
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	11	0.13
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	13	0.13
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	18	0.13
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	6	0.13
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	13	0.13
(1,2032)	1:98:A:ASN:HD22	1:95:A:LEU:HA	14	0.13
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	1	0.13
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	3	0.13
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	7	0.13
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	18	0.13
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	19	0.13
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	20	0.13
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	8	0.13
(1,1906)	1:91:A:THR:H	1:90:A:THR:HB	6	0.13
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	1	0.13
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	4	0.13
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	17	0.13
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	1	0.13
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	4	0.13
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	17	0.13
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	7	0.13
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	8	0.13
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	13	0.13
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	16	0.13
(1,1695)	1:77:A:LEU:H	1:80:A:LEU:HB2	19	0.13
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG21	7	0.13
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG22	7	0.13
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG23	7	0.13
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG21	17	0.13
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG22	17	0.13
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG23	17	0.13
(1,1644)	1:75:A:ALA:H	1:73:A:LEU:HB2	17	0.13
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	3	0.13
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	13	0.13
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	14	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	2	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	2	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	2	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	11	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	11	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	11	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	13	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	13	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	13	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	20	0.13
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	20	0.13
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	3	0.13
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	4	0.13
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	8	0.13
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	17	0.13
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	18	0.13
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	5	0.13
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	13	0.13
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	19	0.13
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	3	0.13
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	8	0.13
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	10	0.13
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	17	0.13
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	9	0.13
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	20	0.13
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG2	9	0.13
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG3	9	0.13
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	8	0.13
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	8	0.13
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	8	0.13
(1,1443)	1:66:A:VAL:HG21	1:6:A:VAL:HB	2	0.13
(1,1443)	1:66:A:VAL:HG22	1:6:A:VAL:HB	2	0.13
(1,1443)	1:66:A:VAL:HG23	1:6:A:VAL:HB	2	0.13
(1,1437)	1:66:A:VAL:HG11	1:69:A:LEU:HG	18	0.13
(1,1437)	1:66:A:VAL:HG12	1:69:A:LEU:HG	18	0.13
(1,1437)	1:66:A:VAL:HG13	1:69:A:LEU:HG	18	0.13
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	3	0.13
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	8	0.13
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	10	0.13
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	17	0.13
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	3	0.13
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	6	0.13
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	18	0.13
(1,1350)	1:64:A:ALA:H	1:59:A:MET:HG2	20	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	4	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	4	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	4	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	4	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	4	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	4	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	10	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	10	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	10	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	10	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	10	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	13	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	13	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	13	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	13	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	13	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	13	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	17	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	17	0.13
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	17	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	17	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	17	0.13
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	17	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	8	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	8	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	8	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	14	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	14	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	14	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	20	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	20	0.13
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	20	0.13
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE2	16	0.13
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE3	16	0.13
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	2	0.13
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	14	0.13
(1,1241)	1:59:A:MET:H	1:56:A:ASP:HA	13	0.13
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD21	8	0.13
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD22	8	0.13
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD23	8	0.13
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	8	0.13
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	9	0.13
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	13	0.13
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	20	0.13
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	1	0.13
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	3	0.13
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	4	0.13
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	10	0.13
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	18	0.13
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	20	0.13
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	2	0.13
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	16	0.13
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	17	0.13
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	5	0.13
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	19	0.13
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG21	16	0.13
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG22	16	0.13
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG23	16	0.13
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	13	0.13
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	13	0.13
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	13	0.13
(1,795)	1:39:A:ASP:H	1:40:A:VAL:HA	15	0.13
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG21	11	0.13
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG22	11	0.13
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG23	11	0.13
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	1	0.13
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	3	0.13
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	6	0.13
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	9	0.13
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	10	0.13
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	12	0.13
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	13	0.13
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	20	0.13
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG21	12	0.13
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG22	12	0.13
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG23	12	0.13
(1,658)	1:31:A:THR:H	1:32:A:ALA:HA	18	0.13
(1,652)	1:31:A:THR:H	1:29:A:LEU:HA	5	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	4	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	4	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	4	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	4	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	4	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	4	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	10	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	10	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	10	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	10	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	10	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	13	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	13	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	13	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	13	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	13	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	13	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	17	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	17	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	17	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	17	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	17	0.13
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	17	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	9	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	9	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	9	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	11	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	11	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	11	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	13	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	13	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	13	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	17	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	17	0.13
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	17	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	1	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	1	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	1	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	2	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	2	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	2	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	10	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	10	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	10	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	14	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	14	0.13
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	14	0.13
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	16	0.13
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	16	0.13
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	16	0.13
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	6	0.13
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	6	0.13
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	11	0.13
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	11	0.13
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	11	0.13
(1,459)	1:23:A:ASN:HB3	1:20:A:ALA:HA	12	0.13
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	10	0.13
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	10	0.13
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	10	0.13
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	17	0.13
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	17	0.13
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	17	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	4	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	4	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	4	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	9	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	9	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	9	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	13	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	13	0.13
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	13	0.13
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	16	0.13
(1,310)	1:19:A:LYS:H	1:22:A:ILE:HB	17	0.13
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	3	0.13
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	3	0.13
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	11	0.13
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	11	0.13
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	15	0.13
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	15	0.13
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	20	0.13
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	20	0.13
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	9	0.13
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	9	0.13
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	9	0.13
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	9	0.13
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	9	0.13
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	9	0.13
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	9	0.13
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	9	0.13
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	9	0.13
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	4	0.13
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	13	0.13
(1,159)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:11:A:ASN:H	1:59:A:MET:HG2	20	0.13
(1,146)	1:11:A:ASN:H	1:59:A:MET:HG3	20	0.13
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	5	0.13
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	6	0.13
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	11	0.13
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	15	0.13
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	17	0.13
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	8	0.13
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	16	0.13
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD2	13	0.13
(1,113)	1:9:A:SER:H	1:10:A:PRO:HD3	13	0.13
(1,104)	1:8:A:ASN:H	1:6:A:VAL:HB	16	0.13
(1,7437)	1:3:A:PHE:HZ	1:66:A:VAL:HA	6	0.12
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE2	8	0.12
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE3	8	0.12
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	5	0.12
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	8	0.12
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	11	0.12
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	12	0.12
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	15	0.12
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	8	0.12
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	8	0.12
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	4	0.12
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	15	0.12
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	15	0.12
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	15	0.12
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG21	12	0.12
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG22	12	0.12
(1,7215)	1:102:A:LYS:HA	1:40:A:VAL:HG23	12	0.12
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	2	0.12
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	2	0.12
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	4	0.12
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	14	0.12
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	1	0.12
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	19	0.12
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	3	0.12
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	7	0.12
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	13	0.12
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	14	0.12
(1,7028)	1:91:A:THR:H	1:90:A:THR:HB	5	0.12
(1,7028)	1:91:A:THR:H	1:90:A:THR:HB	8	0.12
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	8	0.12
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	9	0.12
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	17	0.12
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	18	0.12
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	19	0.12
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	1	0.12
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	18	0.12
(1,6978)	1:87:A:ALA:H	1:88:A:VAL:HB	11	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	2	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	3	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	6	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	7	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	8	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	9	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	10	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	13	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	14	0.12
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	18	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	2	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	3	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	6	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	7	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	8	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	9	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	10	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	13	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	14	0.12
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	18	0.12
(1,6908)	1:82:A:SER:H	1:79:A:LEU:HB3	3	0.12
(1,6843)	1:78:A:GLN:H	1:81:A:SER:H	2	0.12
(1,6817)	1:77:A:LEU:H	1:80:A:LEU:HB2	14	0.12
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	15	0.12
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	16	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	3	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	3	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	3	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	5	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	5	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	5	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	10	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	10	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	15	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	15	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	15	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	16	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	16	0.12
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	16	0.12
(1,6653)	1:70:A:LEU:H	1:71:A:GLU:HB3	2	0.12
(1,6646)	1:70:A:LEU:H	1:68:A:VAL:HB	16	0.12
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	10	0.12
(1,6625)	1:69:A:LEU:H	1:65:A:LYS:HA	2	0.12
(1,6625)	1:69:A:LEU:H	1:65:A:LYS:HA	3	0.12
(1,6625)	1:69:A:LEU:H	1:65:A:LYS:HA	4	0.12
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	4	0.12
(1,6613)	1:68:A:VAL:HA	1:71:A:GLU:HG3	15	0.12
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	1	0.12
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	4	0.12
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	6	0.12
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	16	0.12
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	13	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	11	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	11	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	11	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	13	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	13	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	13	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	18	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	18	0.12
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	18	0.12
(1,6565)	1:66:A:VAL:HG21	1:6:A:VAL:HB	1	0.12
(1,6565)	1:66:A:VAL:HG22	1:6:A:VAL:HB	1	0.12
(1,6565)	1:66:A:VAL:HG23	1:6:A:VAL:HB	1	0.12
(1,6565)	1:66:A:VAL:HG21	1:6:A:VAL:HB	4	0.12
(1,6565)	1:66:A:VAL:HG22	1:6:A:VAL:HB	4	0.12
(1,6565)	1:66:A:VAL:HG23	1:6:A:VAL:HB	4	0.12
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	4	0.12
(1,6514)	1:65:A:LYS:H	1:66:A:VAL:HB	19	0.12
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG11	15	0.12
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG12	15	0.12
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG13	15	0.12
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	9	0.12
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	9	0.12
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	5	0.12
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	6	0.12
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	9	0.12
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	15	0.12
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	18	0.12
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	19	0.12
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE1	7	0.12
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE2	7	0.12
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE3	7	0.12
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD21	7	0.12
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD22	7	0.12
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD23	7	0.12
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD11	2	0.12
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD12	2	0.12
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD13	2	0.12
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD11	16	0.12
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD12	16	0.12
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD13	16	0.12
(1,6112)	1:47:A:LEU:H	1:43:A:PHE:HE1	14	0.12
(1,6112)	1:47:A:LEU:H	1:43:A:PHE:HE2	14	0.12
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	5	0.12
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	8	0.12
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	17	0.12
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	19	0.12
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	18	0.12
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	12	0.12
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	12	0.12
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	12	0.12
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB1	14	0.12
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB2	14	0.12
(1,5958)	1:41:A:ASN:H	1:103:A:ALA:HB3	14	0.12
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB1	15	0.12
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB2	15	0.12
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB3	15	0.12
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG21	15	0.12
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG22	15	0.12
(1,5906)	1:39:A:ASP:H	1:31:A:THR:HG23	15	0.12
(1,5885)	1:38:A:VAL:HB	1:99:A:SER:HB2	13	0.12
(1,5885)	1:38:A:VAL:HB	1:99:A:SER:HB3	13	0.12
(1,5885)	1:38:A:VAL:HB	1:99:A:SER:HB2	15	0.12
(1,5885)	1:38:A:VAL:HB	1:99:A:SER:HB3	15	0.12
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	5	0.12
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	8	0.12
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	14	0.12
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	17	0.12
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	18	0.12
(1,5844)	1:35:A:ARG:H	1:33:A:VAL:HA	19	0.12
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG21	14	0.12
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG22	14	0.12
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG23	14	0.12
(1,5774)	1:31:A:THR:H	1:29:A:LEU:HA	6	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	5	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	5	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	5	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	5	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	5	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	5	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	8	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	8	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	8	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	8	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	8	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	8	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG11	20	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG12	20	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG13	20	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG21	20	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG22	20	0.12
(1,5730)	1:29:A:LEU:H	1:33:A:VAL:HG23	20	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	1	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	1	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	1	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	4	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	4	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	4	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	7	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	7	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	7	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	14	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	14	0.12
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	14	0.12
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	3	0.12
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	3	0.12
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	7	0.12
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	7	0.12
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	7	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	12	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	12	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	12	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	15	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	15	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	15	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	20	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	20	0.12
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	20	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	3	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	3	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	3	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	5	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	5	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	5	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	15	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	15	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	15	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	17	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	17	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	17	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	19	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	19	0.12
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	19	0.12
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	8	0.12
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	8	0.12
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	8	0.12
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	13	0.12
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	13	0.12
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	13	0.12
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	7	0.12
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	7	0.12
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	7	0.12
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	10	0.12
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	10	0.12
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	10	0.12
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	12	0.12
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	12	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	1	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	1	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	2	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	2	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	4	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	4	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	6	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	6	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	7	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	7	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	10	0.12
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	10	0.12
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	7	0.12
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	11	0.12
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	15	0.12
(1,5321)	1:13:A:LEU:H	1:6:A:VAL:HG21	18	0.12
(1,5321)	1:13:A:LEU:H	1:6:A:VAL:HG22	18	0.12
(1,5321)	1:13:A:LEU:H	1:6:A:VAL:HG23	18	0.12
(1,5317)	1:13:A:LEU:H	1:14:A:ARG:HB3	14	0.12
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	8	0.12
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	3	0.12
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	9	0.12
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	10	0.12
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	14	0.12
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	14	0.12
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	14	0.12
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	7	0.12
(1,5240)	1:9:A:SER:H	1:5:A:LEU:HB2	20	0.12
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD2	11	0.12
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD3	11	0.12
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD2	15	0.12
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD3	15	0.12
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	1	0.12
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	1	0.12
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	4	0.12
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	4	0.12
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	7	0.12
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	7	0.12
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	2	0.12
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	2	0.12
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	7	0.12
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	7	0.12
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	7	0.12
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	13	0.12
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	13	0.12
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	13	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	3	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	3	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	3	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	3	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	3	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	3	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	3	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	3	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	3	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	4	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	4	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	4	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	4	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	4	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	4	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	4	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	4	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	4	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	14	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	14	0.12
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	14	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	14	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	14	0.12
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	14	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	14	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	14	0.12
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	14	0.12
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	1	0.12
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	1	0.12
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	1	0.12
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG21	3	0.12
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG22	3	0.12
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG23	3	0.12
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG21	18	0.12
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG22	18	0.12
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG23	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	20	0.12
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	20	0.12
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD11	12	0.12
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD12	12	0.12
(1,4869)	1:109:B:ALA:HA	1:7:A:LEU:HD13	12	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	1	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	1	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	1	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	11	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	11	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	11	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	15	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	15	0.12
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	15	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	5	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	5	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	5	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	13	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	13	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	13	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG21	19	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG22	19	0.12
(1,4720)	1:73:B:LEU:H	1:100:A:VAL:HG23	19	0.12
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	1	0.12
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	1	0.12
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	1	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	1	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	1	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	1	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	1	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	1	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	1	0.12
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	13	0.12
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	13	0.12
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	13	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	13	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	13	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	13	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	13	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	13	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	13	0.12
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	15	0.12
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	15	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	15	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	15	0.12
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	15	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	15	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	15	0.12
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	15	0.12
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG21	11	0.12
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG22	11	0.12
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG23	11	0.12
(1,4616)	1:109:B:ALA:H	1:106:B:GLN:HA	3	0.12
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	1	0.12
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	1	0.12
(1,4599)	1:108:B:LEU:H	1:109:B:ALA:HA	9	0.12
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	9	0.12
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	9	0.12
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	6	0.12
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	14	0.12
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	5	0.12
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	10	0.12
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	10	0.12
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	10	0.12
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	17	0.12
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	17	0.12
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	20	0.12
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	20	0.12
(1,4434)	1:103:B:ALA:HA	1:106:B:GLN:HG3	15	0.12
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	3	0.12
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	11	0.12
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	14	0.12
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	6	0.12
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	16	0.12
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	1	0.12
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	3	0.12
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	7	0.12
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	11	0.12
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	15	0.12
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	20	0.12
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	2	0.12
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	7	0.12
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	2	0.12
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	5	0.12
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	6	0.12
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	19	0.12
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	9	0.12
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	3	0.12
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	4	0.12
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	7	0.12
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	9	0.12
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	11	0.12
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	13	0.12
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	3	0.12
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	4	0.12
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	7	0.12
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	9	0.12
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	11	0.12
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	13	0.12
(1,4098)	1:82:B:SER:H	1:79:B:LEU:HB3	10	0.12
(1,4098)	1:82:B:SER:H	1:79:B:LEU:HB3	12	0.12
(1,4033)	1:78:B:GLN:H	1:81:B:SER:H	9	0.12
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	11	0.12
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	13	0.12
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG21	3	0.12
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG22	3	0.12
(1,3994)	1:77:B:LEU:H	1:22:B:ILE:HG23	3	0.12
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	7	0.12
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG21	7	0.12
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG22	7	0.12
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG23	7	0.12
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG21	9	0.12
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG22	9	0.12
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG23	9	0.12
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	20	0.12
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	20	0.12
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	20	0.12
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	20	0.12
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	20	0.12
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	20	0.12
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	20	0.12
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	20	0.12
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	20	0.12
(1,3844)	1:70:B:LEU:HG	1:66:B:VAL:HG21	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3844)	1:70:B:LEU:HG	1:66:B:VAL:HG22	19	0.12
(1,3844)	1:70:B:LEU:HG	1:66:B:VAL:HG23	19	0.12
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	8	0.12
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	4	0.12
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	1	0.12
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	16	0.12
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	18	0.12
(1,3795)	1:68:B:VAL:H	1:70:B:LEU:HB2	19	0.12
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	15	0.12
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	15	0.12
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	15	0.12
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	17	0.12
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	17	0.12
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	17	0.12
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	15	0.12
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	15	0.12
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	15	0.12
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	20	0.12
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	20	0.12
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	20	0.12
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	2	0.12
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	2	0.12
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	2	0.12
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	2	0.12
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	2	0.12
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	2	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	16	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	16	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	16	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	18	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	18	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	18	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	20	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	20	0.12
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	20	0.12
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE2	16	0.12
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE3	16	0.12
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	12	0.12
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	18	0.12
(1,3553)	1:59:B:MET:H	1:56:B:ASP:HA	17	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE1	13	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE3	13	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE1	15	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE2	15	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE3	15	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE1	17	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE2	17	0.12
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE3	17	0.12
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	11	0.12
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	11	0.12
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	11	0.12
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	20	0.12
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	20	0.12
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	20	0.12
(1,3301)	1:47:B:LEU:H	1:43:B:PHE:HE1	5	0.12
(1,3301)	1:47:B:LEU:H	1:43:B:PHE:HE2	5	0.12
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	6	0.12
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	8	0.12
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	13	0.12
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	20	0.12
(1,3274)	1:45:B:SER:H	1:48:B:ARG:HB2	2	0.12
(1,3274)	1:45:B:SER:H	1:48:B:ARG:HB3	2	0.12
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	13	0.12
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	15	0.12
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	3	0.12
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	11	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	6	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	6	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	6	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	8	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	8	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	8	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB1	18	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB2	18	0.12
(1,3159)	1:41:B:ASN:H	1:103:B:ALA:HB3	18	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB1	4	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB2	4	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB3	4	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB1	19	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB2	19	0.12
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB3	19	0.12
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	19	0.12
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG21	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG22	8	0.12
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG23	8	0.12
(1,3092)	1:38:B:VAL:HG21	1:99:B:SER:HA	4	0.12
(1,3092)	1:38:B:VAL:HG22	1:99:B:SER:HA	4	0.12
(1,3092)	1:38:B:VAL:HG23	1:99:B:SER:HA	4	0.12
(1,3092)	1:38:B:VAL:HG21	1:99:B:SER:HA	8	0.12
(1,3092)	1:38:B:VAL:HG22	1:99:B:SER:HA	8	0.12
(1,3092)	1:38:B:VAL:HG23	1:99:B:SER:HA	8	0.12
(1,3092)	1:38:B:VAL:HG21	1:99:B:SER:HA	10	0.12
(1,3092)	1:38:B:VAL:HG22	1:99:B:SER:HA	10	0.12
(1,3092)	1:38:B:VAL:HG23	1:99:B:SER:HA	10	0.12
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	1	0.12
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	13	0.12
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	16	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	4	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	4	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	4	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	10	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	10	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	10	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	17	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	17	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	17	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	18	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	18	0.12
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	18	0.12
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	12	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	2	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	2	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	2	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	2	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	2	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	2	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	16	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	16	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	16	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	16	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	16	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	16	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	18	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	18	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	18	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	18	0.12
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	18	0.12
(1,2917)	1:29:B:LEU:H	1:30:B:SER:HA	17	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	1	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	1	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	1	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	8	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	8	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	8	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	9	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	9	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	9	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	13	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	13	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	13	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	18	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	18	0.12
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	18	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	2	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	2	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	2	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	6	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	6	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	6	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	7	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	7	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	7	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	11	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	11	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	11	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	14	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	14	0.12
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	14	0.12
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB1	16	0.12
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB2	16	0.12
(1,2786)	1:23:B:ASN:HD22	1:26:B:ALA:HB3	16	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	6	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	6	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	6	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	9	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	9	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	12	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	12	0.12
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	12	0.12
(1,2774)	1:23:B:ASN:HD21	1:19:B:LYS:HB3	17	0.12
(1,2774)	1:23:B:ASN:HD21	1:19:B:LYS:HB3	18	0.12
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	3	0.12
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	3	0.12
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	3	0.12
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	4	0.12
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	4	0.12
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	4	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	7	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	7	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	7	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	10	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	10	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	10	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	15	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	15	0.12
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	15	0.12
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	13	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	4	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	4	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	7	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	7	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	8	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	8	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	9	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	9	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	14	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	14	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	15	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	15	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	19	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	19	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	20	0.12
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	20	0.12
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	14	0.12
(1,2523)	1:14:B:ARG:H	1:13:B:LEU:HG	20	0.12
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE1	17	0.12
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE2	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE3	17	0.12
(1,2474)	1:11:B:ASN:HD21	1:54:B:LEU:HA	13	0.12
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	1	0.12
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	20	0.12
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	4	0.12
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	4	0.12
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	4	0.12
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	1	0.12
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	3	0.12
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	16	0.12
(1,2416)	1:8:B:ASN:H	1:6:B:VAL:HB	12	0.12
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE2	8	0.12
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE3	8	0.12
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	5	0.12
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	8	0.12
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	11	0.12
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	12	0.12
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	15	0.12
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	8	0.12
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	8	0.12
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	4	0.12
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	15	0.12
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	15	0.12
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	15	0.12
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG21	12	0.12
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG22	12	0.12
(1,2093)	1:102:A:LYS:HA	1:40:A:VAL:HG23	12	0.12
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	2	0.12
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	2	0.12
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	4	0.12
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	14	0.12
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	1	0.12
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	19	0.12
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	3	0.12
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	7	0.12
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	13	0.12
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	14	0.12
(1,1906)	1:91:A:THR:H	1:90:A:THR:HB	5	0.12
(1,1906)	1:91:A:THR:H	1:90:A:THR:HB	8	0.12
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	1	0.12
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	8	0.12
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	17	0.12
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	18	0.12
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	19	0.12
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	1	0.12
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	18	0.12
(1,1856)	1:87:A:ALA:H	1:88:A:VAL:HB	11	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	2	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	3	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	6	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	7	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	8	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	9	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	10	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	13	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	14	0.12
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	18	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	2	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	3	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	6	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	7	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	8	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	9	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	10	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	13	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	14	0.12
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	18	0.12
(1,1786)	1:82:A:SER:H	1:79:A:LEU:HB3	3	0.12
(1,1721)	1:78:A:GLN:H	1:81:A:SER:H	2	0.12
(1,1695)	1:77:A:LEU:H	1:80:A:LEU:HB2	14	0.12
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	15	0.12
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	16	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	3	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	3	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	3	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	5	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	5	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	5	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	10	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	10	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	10	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	15	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	15	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	16	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	16	0.12
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	16	0.12
(1,1531)	1:70:A:LEU:H	1:71:A:GLU:HB3	2	0.12
(1,1524)	1:70:A:LEU:H	1:68:A:VAL:HB	16	0.12
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	10	0.12
(1,1503)	1:69:A:LEU:H	1:65:A:LYS:HA	2	0.12
(1,1503)	1:69:A:LEU:H	1:65:A:LYS:HA	3	0.12
(1,1503)	1:69:A:LEU:H	1:65:A:LYS:HA	4	0.12
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	4	0.12
(1,1491)	1:68:A:VAL:HA	1:71:A:GLU:HG3	15	0.12
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	1	0.12
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	4	0.12
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	6	0.12
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	16	0.12
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	13	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	11	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	11	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	11	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	13	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	13	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	13	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	18	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	18	0.12
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	18	0.12
(1,1443)	1:66:A:VAL:HG21	1:6:A:VAL:HB	1	0.12
(1,1443)	1:66:A:VAL:HG22	1:6:A:VAL:HB	1	0.12
(1,1443)	1:66:A:VAL:HG23	1:6:A:VAL:HB	1	0.12
(1,1443)	1:66:A:VAL:HG21	1:6:A:VAL:HB	4	0.12
(1,1443)	1:66:A:VAL:HG22	1:6:A:VAL:HB	4	0.12
(1,1443)	1:66:A:VAL:HG23	1:6:A:VAL:HB	4	0.12
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	4	0.12
(1,1392)	1:65:A:LYS:H	1:66:A:VAL:HB	19	0.12
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG11	15	0.12
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG12	15	0.12
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG13	15	0.12
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	9	0.12
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	9	0.12
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	9	0.12
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	5	0.12
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	9	0.12
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	15	0.12
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	18	0.12
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	19	0.12
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE1	7	0.12
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE2	7	0.12
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE3	7	0.12
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD21	7	0.12
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD22	7	0.12
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD23	7	0.12
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD11	2	0.12
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD12	2	0.12
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD13	2	0.12
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD11	16	0.12
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD12	16	0.12
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD13	16	0.12
(1,990)	1:47:A:LEU:H	1:43:A:PHE:HE1	14	0.12
(1,990)	1:47:A:LEU:H	1:43:A:PHE:HE2	14	0.12
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	5	0.12
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	8	0.12
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	17	0.12
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	19	0.12
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	18	0.12
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	12	0.12
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	12	0.12
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	12	0.12
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB1	14	0.12
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB2	14	0.12
(1,836)	1:41:A:ASN:H	1:103:A:ALA:HB3	14	0.12
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB1	15	0.12
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB2	15	0.12
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB3	15	0.12
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG21	15	0.12
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG22	15	0.12
(1,784)	1:39:A:ASP:H	1:31:A:THR:HG23	15	0.12
(1,763)	1:38:A:VAL:HB	1:99:A:SER:HB2	13	0.12
(1,763)	1:38:A:VAL:HB	1:99:A:SER:HB3	13	0.12
(1,763)	1:38:A:VAL:HB	1:99:A:SER:HB2	15	0.12
(1,763)	1:38:A:VAL:HB	1:99:A:SER:HB3	15	0.12
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	4	0.12
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	5	0.12
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	14	0.12
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	17	0.12
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	18	0.12
(1,722)	1:35:A:ARG:H	1:33:A:VAL:HA	19	0.12
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG21	14	0.12
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG22	14	0.12
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG23	14	0.12
(1,652)	1:31:A:THR:H	1:29:A:LEU:HA	6	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	5	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	5	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	5	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	5	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	5	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	5	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	8	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	8	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	8	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	8	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	8	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	8	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG11	20	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG12	20	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG13	20	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG21	20	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG22	20	0.12
(1,608)	1:29:A:LEU:H	1:33:A:VAL:HG23	20	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	1	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	1	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	1	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	4	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	4	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	4	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	7	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	7	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	7	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	14	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	14	0.12
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	14	0.12
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	3	0.12
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	3	0.12
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	3	0.12
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	7	0.12
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	7	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	12	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	12	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	12	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	15	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	15	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	15	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	20	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	20	0.12
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	20	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	3	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	3	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	3	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	5	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	5	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	5	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	15	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	15	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	15	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	17	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	17	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	17	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	19	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	19	0.12
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	19	0.12
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	8	0.12
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	8	0.12
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	8	0.12
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	13	0.12
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	13	0.12
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	13	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	7	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	7	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	7	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	10	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	10	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	10	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	12	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	12	0.12
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	12	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	1	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	2	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	2	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	4	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	4	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	6	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	6	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	7	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	7	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	10	0.12
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	10	0.12
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	7	0.12
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	11	0.12
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	15	0.12
(1,199)	1:13:A:LEU:H	1:6:A:VAL:HG21	18	0.12
(1,199)	1:13:A:LEU:H	1:6:A:VAL:HG22	18	0.12
(1,199)	1:13:A:LEU:H	1:6:A:VAL:HG23	18	0.12
(1,195)	1:13:A:LEU:H	1:14:A:ARG:HB3	14	0.12
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	8	0.12
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	3	0.12
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	9	0.12
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	10	0.12
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	14	0.12
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	14	0.12
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	14	0.12
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	7	0.12
(1,118)	1:9:A:SER:H	1:5:A:LEU:HB2	20	0.12
(1,7641)	1:80:A:LEU:HD21	1:33:A:VAL:HG11	4	0.11
(1,7641)	1:80:A:LEU:HD21	1:33:A:VAL:HG12	4	0.11
(1,7641)	1:80:A:LEU:HD21	1:33:A:VAL:HG13	4	0.11
(1,7641)	1:80:A:LEU:HD21	1:33:A:VAL:HG21	4	0.11
(1,7641)	1:80:A:LEU:HD21	1:33:A:VAL:HG22	4	0.11
(1,7641)	1:80:A:LEU:HD21	1:33:A:VAL:HG23	4	0.11
(1,7641)	1:80:A:LEU:HD22	1:33:A:VAL:HG11	4	0.11
(1,7641)	1:80:A:LEU:HD22	1:33:A:VAL:HG12	4	0.11
(1,7641)	1:80:A:LEU:HD22	1:33:A:VAL:HG13	4	0.11
(1,7641)	1:80:A:LEU:HD22	1:33:A:VAL:HG21	4	0.11
(1,7641)	1:80:A:LEU:HD22	1:33:A:VAL:HG22	4	0.11
(1,7641)	1:80:A:LEU:HD22	1:33:A:VAL:HG23	4	0.11
(1,7641)	1:80:A:LEU:HD23	1:33:A:VAL:HG11	4	0.11
(1,7641)	1:80:A:LEU:HD23	1:33:A:VAL:HG12	4	0.11
(1,7641)	1:80:A:LEU:HD23	1:33:A:VAL:HG13	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7641)	1:80:A:LEU:HD23	1:33:A:VAL:HG21	4	0.11
(1,7641)	1:80:A:LEU:HD23	1:33:A:VAL:HG22	4	0.11
(1,7641)	1:80:A:LEU:HD23	1:33:A:VAL:HG23	4	0.11
(1,7582)	1:73:A:LEU:HD21	1:76:A:ALA:HA	4	0.11
(1,7582)	1:73:A:LEU:HD22	1:76:A:ALA:HA	4	0.11
(1,7582)	1:73:A:LEU:HD23	1:76:A:ALA:HA	4	0.11
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE2	3	0.11
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE3	3	0.11
(1,7348)	1:106:A:GLN:HE21	1:48:A:ARG:HD2	9	0.11
(1,7348)	1:106:A:GLN:HE21	1:48:A:ARG:HD3	9	0.11
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	9	0.11
(1,7345)	1:106:A:GLN:HE21	1:44:A:THR:HA	20	0.11
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	2	0.11
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	4	0.11
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	9	0.11
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	18	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	9	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	9	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	14	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	14	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	16	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	16	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	20	0.11
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	20	0.11
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB1	19	0.11
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB2	19	0.11
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB3	19	0.11
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	1	0.11
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	2	0.11
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	14	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	11	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	11	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	11	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	19	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	19	0.11
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	19	0.11
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	5	0.11
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	8	0.11
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	20	0.11
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	16	0.11
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	17	0.11
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	3	0.11
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	18	0.11
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	9	0.11
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	16	0.11
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	20	0.11
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	3	0.11
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	4	0.11
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	7	0.11
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	11	0.11
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	13	0.11
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	14	0.11
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	16	0.11
(1,7008)	1:90:A:THR:H	1:91:A:THR:HA	20	0.11
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	11	0.11
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	13	0.11
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	16	0.11
(1,6978)	1:87:A:ALA:H	1:88:A:VAL:HB	4	0.11
(1,6978)	1:87:A:ALA:H	1:88:A:VAL:HB	5	0.11
(1,6978)	1:87:A:ALA:H	1:88:A:VAL:HB	6	0.11
(1,6978)	1:87:A:ALA:H	1:88:A:VAL:HB	9	0.11
(1,6939)	1:84:A:THR:H	1:83:A:SER:H	11	0.11
(1,6936)	1:83:A:SER:H	1:84:A:THR:H	11	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB1	5	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB2	5	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB3	5	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB1	6	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB2	6	0.11
(1,6827)	1:78:A:GLN:H	1:26:A:ALA:HB3	6	0.11
(1,6817)	1:77:A:LEU:H	1:80:A:LEU:HB2	6	0.11
(1,6817)	1:77:A:LEU:H	1:80:A:LEU:HB2	9	0.11
(1,6766)	1:75:A:ALA:H	1:73:A:LEU:HB2	8	0.11
(1,6766)	1:75:A:ALA:H	1:73:A:LEU:HB2	16	0.11
(1,6750)	1:74:A:THR:HG21	1:77:A:LEU:HG	12	0.11
(1,6750)	1:74:A:THR:HG22	1:77:A:LEU:HG	12	0.11
(1,6750)	1:74:A:THR:HG23	1:77:A:LEU:HG	12	0.11
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	2	0.11
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	11	0.11
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	20	0.11
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD11	6	0.11
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD12	6	0.11
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD13	6	0.11
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	6	0.11
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	6	0.11
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG21	9	0.11
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG22	9	0.11
(1,6675)	1:72:A:ALA:H	1:22:A:ILE:HG23	9	0.11
(1,6653)	1:70:A:LEU:H	1:71:A:GLU:HB3	14	0.11
(1,6642)	1:70:A:LEU:H	1:66:A:VAL:HA	12	0.11
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	1	0.11
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	2	0.11
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	12	0.11
(1,6616)	1:68:A:VAL:HB	1:65:A:LYS:HA	15	0.11
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	11	0.11
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	13	0.11
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	15	0.11
(1,6606)	1:68:A:VAL:H	1:70:A:LEU:HB2	3	0.11
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE1	9	0.11
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE2	9	0.11
(1,6592)	1:68:A:VAL:H	1:59:A:MET:HE3	9	0.11
(1,6565)	1:66:A:VAL:HG21	1:6:A:VAL:HB	3	0.11
(1,6565)	1:66:A:VAL:HG22	1:6:A:VAL:HB	3	0.11
(1,6565)	1:66:A:VAL:HG23	1:6:A:VAL:HB	3	0.11
(1,6565)	1:66:A:VAL:HG21	1:6:A:VAL:HB	17	0.11
(1,6565)	1:66:A:VAL:HG22	1:6:A:VAL:HB	17	0.11
(1,6565)	1:66:A:VAL:HG23	1:6:A:VAL:HB	17	0.11
(1,6559)	1:66:A:VAL:HG11	1:69:A:LEU:HG	12	0.11
(1,6559)	1:66:A:VAL:HG12	1:69:A:LEU:HG	12	0.11
(1,6559)	1:66:A:VAL:HG13	1:69:A:LEU:HG	12	0.11
(1,6559)	1:66:A:VAL:HG11	1:69:A:LEU:HG	19	0.11
(1,6559)	1:66:A:VAL:HG12	1:69:A:LEU:HG	19	0.11
(1,6559)	1:66:A:VAL:HG13	1:69:A:LEU:HG	19	0.11
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	1	0.11
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	2	0.11
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	12	0.11
(1,6520)	1:65:A:LYS:HA	1:68:A:VAL:HB	15	0.11
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG11	5	0.11
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG12	5	0.11
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG13	5	0.11
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	16	0.11
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	16	0.11
(1,6465)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	16	0.11
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	16	0.11
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6465)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	16	0.11
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	1	0.11
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	3	0.11
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	7	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE1	5	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE2	5	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE3	5	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE1	9	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE2	9	0.11
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE3	9	0.11
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD11	17	0.11
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD12	17	0.11
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD13	17	0.11
(1,6147)	1:48:A:ARG:H	1:45:A:SER:HB2	12	0.11
(1,6147)	1:48:A:ARG:H	1:45:A:SER:HB3	12	0.11
(1,6112)	1:47:A:LEU:H	1:43:A:PHE:HE1	8	0.11
(1,6112)	1:47:A:LEU:H	1:43:A:PHE:HE2	8	0.11
(1,6112)	1:47:A:LEU:H	1:43:A:PHE:HE1	12	0.11
(1,6112)	1:47:A:LEU:H	1:43:A:PHE:HE2	12	0.11
(1,6072)	1:45:A:SER:H	1:41:A:ASN:HB3	15	0.11
(1,6040)	1:44:A:THR:H	1:103:A:ALA:HA	15	0.11
(1,6014)	1:43:A:PHE:H	1:40:A:VAL:HB	11	0.11
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	3	0.11
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	9	0.11
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	13	0.11
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	15	0.11
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	20	0.11
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG21	11	0.11
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG22	11	0.11
(1,5980)	1:42:A:ALA:H	1:38:A:VAL:HG23	11	0.11
(1,5917)	1:39:A:ASP:H	1:40:A:VAL:HA	2	0.11
(1,5917)	1:39:A:ASP:H	1:40:A:VAL:HA	6	0.11
(1,5904)	1:38:A:VAL:HG21	1:99:A:SER:HA	11	0.11
(1,5904)	1:38:A:VAL:HG22	1:99:A:SER:HA	11	0.11
(1,5904)	1:38:A:VAL:HG23	1:99:A:SER:HA	11	0.11
(1,5780)	1:31:A:THR:H	1:32:A:ALA:HA	4	0.11
(1,5727)	1:29:A:LEU:H	1:30:A:SER:HA	15	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	2	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	2	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	2	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	3	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	3	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	10	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	10	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	10	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	15	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	15	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	15	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	19	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	19	0.11
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	19	0.11
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	19	0.11
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	19	0.11
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	19	0.11
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	1	0.11
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	1	0.11
(1,5596)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	1	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	8	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	8	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	8	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	9	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	9	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	9	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	13	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	13	0.11
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	13	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	6	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	6	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	6	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	9	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	9	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	9	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	11	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	11	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	11	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	12	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	12	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	12	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	16	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	16	0.11
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	16	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	1	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	1	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	2	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	2	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	2	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	3	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	3	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	3	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	11	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	11	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	11	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	14	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	14	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	14	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	15	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	15	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	15	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	18	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	18	0.11
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	18	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	5	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	5	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	9	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	9	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	16	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	16	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	18	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	18	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	19	0.11
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	19	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	6	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	6	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	6	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	6	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	6	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	6	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	6	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	6	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	6	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	11	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	11	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	11	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	11	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	11	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	11	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	11	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	11	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	14	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	14	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	14	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	14	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	14	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	14	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	14	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	14	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	14	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	15	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	15	0.11
(1,5416)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	15	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	15	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	15	0.11
(1,5416)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	15	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	15	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	15	0.11
(1,5416)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	15	0.11
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	10	0.11
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	18	0.11
(1,5384)	1:18:A:ALA:H	1:15:A:SER:H	14	0.11
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD2	12	0.11
(1,5346)	1:15:A:SER:H	1:14:A:ARG:HD3	12	0.11
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	2	0.11
(1,5317)	1:13:A:LEU:H	1:14:A:ARG:HB3	9	0.11
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	11	0.11
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	12	0.11
(1,5284)	1:11:A:ASN:HD21	1:54:A:LEU:HA	14	0.11
(1,5281)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	7	0.11
(1,5265)	1:11:A:ASN:H	1:15:A:SER:HB3	2	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	2	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	2	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	2	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	7	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	7	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	7	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	16	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	16	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	18	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	18	0.11
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	18	0.11
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD2	4	0.11
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD3	4	0.11
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD2	10	0.11
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD3	10	0.11
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD2	17	0.11
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD3	17	0.11
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	2	0.11
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	2	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	5	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	5	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	5	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	9	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	9	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	9	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	10	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	10	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	10	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	15	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	15	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	15	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	18	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	18	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	18	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	19	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	19	0.11
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	19	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	1	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	1	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	1	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	3	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	3	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	3	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG21	17	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG22	17	0.11
(1,4969)	1:73:A:LEU:H	1:100:B:VAL:HG23	17	0.11
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	9	0.11
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	9	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	9	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	9	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	9	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	9	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	9	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	9	0.11
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	15	0.11
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	15	0.11
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	15	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	15	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	15	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	15	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	15	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	15	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	15	0.11
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD11	18	0.11
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD12	18	0.11
(1,4961)	1:66:A:VAL:HG21	1:70:B:LEU:HD13	18	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD11	18	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD12	18	0.11
(1,4961)	1:66:A:VAL:HG22	1:70:B:LEU:HD13	18	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD11	18	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD12	18	0.11
(1,4961)	1:66:A:VAL:HG23	1:70:B:LEU:HD13	18	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	7	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	7	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	7	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	13	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	13	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	13	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG21	15	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG22	15	0.11
(1,4930)	1:23:A:ASN:HD21	1:88:B:VAL:HG23	15	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG21	4	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG22	4	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG23	4	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG21	11	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG22	11	0.11
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG23	11	0.11
(1,4906)	1:19:A:LYS:HG2	1:93:B:ILE:HB	7	0.11
(1,4882)	1:3:A:PHE:HE1	1:69:B:LEU:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4882)	1:3:A:PHE:HE2	1:69:B:LEU:HB2	15	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	4	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	4	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	7	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	7	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	11	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	11	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	14	0.11
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	14	0.11
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB2	9	0.11
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB3	9	0.11
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB2	13	0.11
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB3	13	0.11
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	4	0.11
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	4	0.11
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	4	0.11
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	18	0.11
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	18	0.11
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	18	0.11
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	4	0.11
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	4	0.11
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	4	0.11
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	4	0.11
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	4	0.11
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	4	0.11
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	4	0.11
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	4	0.11
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	4	0.11
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	12	0.11
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	12	0.11
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	12	0.11
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	12	0.11
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	12	0.11
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	12	0.11
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	12	0.11
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	12	0.11
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	12	0.11
(1,4673)	1:23:B:ASN:H	1:90:A:THR:HG21	10	0.11
(1,4673)	1:23:B:ASN:H	1:90:A:THR:HG22	10	0.11
(1,4673)	1:23:B:ASN:H	1:90:A:THR:HG23	10	0.11
(1,4658)	1:19:B:LYS:HG2	1:93:A:ILE:HB	4	0.11
(1,4658)	1:19:B:LYS:HG2	1:93:A:ILE:HB	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4658)	1:19:B:LYS:HG2	1:93:A:ILE:HB	14	0.11
(1,4658)	1:19:B:LYS:HG2	1:93:A:ILE:HB	17	0.11
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	15	0.11
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	15	0.11
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB2	17	0.11
(1,4542)	1:106:B:GLN:HE22	1:102:B:LYS:HB3	17	0.11
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	1	0.11
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	2	0.11
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	10	0.11
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	19	0.11
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	7	0.11
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	8	0.11
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	13	0.11
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	15	0.11
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	17	0.11
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	19	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	5	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	5	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	6	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	6	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	7	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	7	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	14	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	14	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	16	0.11
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	16	0.11
(1,4510)	1:106:B:GLN:HA	1:44:B:THR:HG21	1	0.11
(1,4510)	1:106:B:GLN:HA	1:44:B:THR:HG22	1	0.11
(1,4510)	1:106:B:GLN:HA	1:44:B:THR:HG23	1	0.11
(1,4434)	1:103:B:ALA:HA	1:106:B:GLN:HG3	4	0.11
(1,4434)	1:103:B:ALA:HA	1:106:B:GLN:HG3	14	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	9	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	9	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	9	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	10	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	10	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	10	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	12	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	12	0.11
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	12	0.11
(1,4406)	1:102:B:LYS:HB2	1:101:B:SER:HB2	19	0.11
(1,4406)	1:102:B:LYS:HB2	1:101:B:SER:HB3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	1	0.11
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	9	0.11
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	17	0.11
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	2	0.11
(1,4343)	1:98:B:ASN:HD22	1:95:B:LEU:HA	5	0.11
(1,4299)	1:96:B:THR:HA	1:99:B:SER:HA	13	0.11
(1,4282)	1:95:B:LEU:HG	1:92:B:SER:HA	7	0.11
(1,4278)	1:95:B:LEU:H	1:98:B:ASN:HB2	16	0.11
(1,4276)	1:95:B:LEU:H	1:96:B:THR:HB	8	0.11
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	2	0.11
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	10	0.11
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	14	0.11
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	16	0.11
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	17	0.11
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	20	0.11
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	10	0.11
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	13	0.11
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	14	0.11
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	16	0.11
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	17	0.11
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	20	0.11
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	7	0.11
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	9	0.11
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	13	0.11
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	16	0.11
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	20	0.11
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	5	0.11
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	6	0.11
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	8	0.11
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	10	0.11
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	13	0.11
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	5	0.11
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	12	0.11
(1,4129)	1:84:B:THR:H	1:83:B:SER:H	15	0.11
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	5	0.11
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	12	0.11
(1,4126)	1:83:B:SER:H	1:84:B:THR:H	15	0.11
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	1	0.11
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	4	0.11
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	14	0.11
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	16	0.11
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3956)	1:75:B:ALA:H	1:73:B:LEU:HB2	13	0.11
(1,3880)	1:72:B:ALA:H	1:74:B:THR:HB	5	0.11
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG21	5	0.11
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG22	5	0.11
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG23	5	0.11
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG21	8	0.11
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG22	8	0.11
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG23	8	0.11
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG21	6	0.11
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG22	6	0.11
(1,3846)	1:70:B:LEU:HD21	1:74:B:THR:HG23	6	0.11
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG21	6	0.11
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG22	6	0.11
(1,3846)	1:70:B:LEU:HD22	1:74:B:THR:HG23	6	0.11
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG21	6	0.11
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG22	6	0.11
(1,3846)	1:70:B:LEU:HD23	1:74:B:THR:HG23	6	0.11
(1,3843)	1:70:B:LEU:H	1:71:B:GLU:HB3	19	0.11
(1,3832)	1:70:B:LEU:H	1:66:B:VAL:HA	11	0.11
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	4	0.11
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	9	0.11
(1,3805)	1:68:B:VAL:HB	1:65:B:LYS:HA	11	0.11
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	5	0.11
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	6	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	1	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	1	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	1	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	14	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	14	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	14	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	19	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	19	0.11
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	19	0.11
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	14	0.11
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	14	0.11
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	14	0.11
(1,3749)	1:66:B:VAL:HG11	1:69:B:LEU:HG	18	0.11
(1,3749)	1:66:B:VAL:HG12	1:69:B:LEU:HG	18	0.11
(1,3749)	1:66:B:VAL:HG13	1:69:B:LEU:HG	18	0.11
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	4	0.11
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	9	0.11
(1,3709)	1:65:B:LYS:HA	1:68:B:VAL:HB	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3658)	1:64:B:ALA:H	1:6:B:VAL:HG11	19	0.11
(1,3658)	1:64:B:ALA:H	1:6:B:VAL:HG12	19	0.11
(1,3658)	1:64:B:ALA:H	1:6:B:VAL:HG13	19	0.11
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	1	0.11
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	1	0.11
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	1	0.11
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	1	0.11
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	1	0.11
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	1	0.11
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG21	8	0.11
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG22	8	0.11
(1,3657)	1:63:B:GLU:HB2	1:66:B:VAL:HG23	8	0.11
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG21	8	0.11
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG22	8	0.11
(1,3657)	1:63:B:GLU:HB3	1:66:B:VAL:HG23	8	0.11
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	1	0.11
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	1	0.11
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	1	0.11
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	7	0.11
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	7	0.11
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	7	0.11
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE2	9	0.11
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE3	9	0.11
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	13	0.11
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	17	0.11
(1,3553)	1:59:B:MET:H	1:56:B:ASP:HA	12	0.11
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE1	14	0.11
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE2	14	0.11
(1,3534)	1:57:B:SER:H	1:59:B:MET:HE3	14	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD21	3	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD22	3	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD23	3	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD21	14	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD22	14	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD23	14	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD21	20	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD22	20	0.11
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD23	20	0.11
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	3	0.11
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	3	0.11
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	3	0.11
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	17	0.11
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	17	0.11
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD11	18	0.11
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD12	18	0.11
(1,3397)	1:50:B:THR:H	1:54:B:LEU:HD13	18	0.11
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	10	0.11
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	16	0.11
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	17	0.11
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	18	0.11
(1,3246)	1:44:B:THR:H	1:103:B:ALA:HA	5	0.11
(1,3246)	1:44:B:THR:H	1:103:B:ALA:HA	17	0.11
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	6	0.11
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	18	0.11
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB1	7	0.11
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB2	7	0.11
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB3	7	0.11
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB1	15	0.11
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB2	15	0.11
(1,3127)	1:40:B:VAL:H	1:42:B:ALA:HB3	15	0.11
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	3	0.11
(1,3107)	1:39:B:ASP:H	1:40:B:VAL:HA	8	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG21	4	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG22	4	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG23	4	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG21	5	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG22	5	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG23	5	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG21	17	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG22	17	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG23	17	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG21	19	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG22	19	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG23	19	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG21	20	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG22	20	0.11
(1,3096)	1:39:B:ASP:H	1:31:B:THR:HG23	20	0.11
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB2	6	0.11
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB3	6	0.11
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB2	8	0.11
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB3	8	0.11
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB2	20	0.11
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG11	5	0.11
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG12	5	0.11
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG13	5	0.11
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG21	5	0.11
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG22	5	0.11
(1,3035)	1:35:B:ARG:H	1:33:B:VAL:HG23	5	0.11
(1,3034)	1:35:B:ARG:H	1:33:B:VAL:HA	2	0.11
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	2	0.11
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	2	0.11
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	2	0.11
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	14	0.11
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	14	0.11
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	14	0.11
(1,2970)	1:31:B:THR:H	1:32:B:ALA:HA	2	0.11
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG11	1	0.11
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG12	1	0.11
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG13	1	0.11
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG21	1	0.11
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG22	1	0.11
(1,2920)	1:29:B:LEU:H	1:33:B:VAL:HG23	1	0.11
(1,2917)	1:29:B:LEU:H	1:30:B:SER:HA	10	0.11
(1,2917)	1:29:B:LEU:H	1:30:B:SER:HA	15	0.11
(1,2917)	1:29:B:LEU:H	1:30:B:SER:HA	19	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	2	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	2	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	2	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	4	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	4	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	4	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	7	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	7	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	7	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	10	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	10	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	10	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	11	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	11	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	11	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	12	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	12	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	12	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	14	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	14	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	17	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	17	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	17	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD21	19	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD22	19	0.11
(1,2860)	1:26:B:ALA:H	1:29:B:LEU:HD23	19	0.11
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	3	0.11
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	3	0.11
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	3	0.11
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	17	0.11
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	17	0.11
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	17	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	3	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	3	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	3	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	4	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	4	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	4	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	13	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	13	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	13	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	14	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	14	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	14	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB1	15	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB2	15	0.11
(1,2785)	1:23:B:ASN:HD22	1:20:B:ALA:HB3	15	0.11
(1,2774)	1:23:B:ASN:HD21	1:19:B:LYS:HB3	1	0.11
(1,2774)	1:23:B:ASN:HD21	1:19:B:LYS:HB3	8	0.11
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	12	0.11
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	12	0.11
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	12	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	4	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	4	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	4	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	5	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	5	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	5	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	12	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	12	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	14	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	14	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	14	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	18	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	18	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	18	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	19	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	19	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	19	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	20	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	20	0.11
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	20	0.11
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	10	0.11
(1,2622)	1:19:B:LYS:H	1:22:B:ILE:HB	16	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	1	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	1	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	2	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	2	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	3	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	3	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	5	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	5	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	10	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	10	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	12	0.11
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	12	0.11
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	2	0.11
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	2	0.11
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	2	0.11
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	2	0.11
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	2	0.11
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	2	0.11
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	2	0.11
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	2	0.11
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	2	0.11
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	19	0.11
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	19	0.11
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	19	0.11
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	19	0.11
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	19	0.11
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	19	0.11
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	19	0.11
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	19	0.11
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	1	0.11
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	16	0.11
(1,2573)	1:18:B:ALA:H	1:13:B:LEU:HA	3	0.11
(1,2573)	1:18:B:ALA:H	1:13:B:LEU:HA	9	0.11
(1,2528)	1:14:B:ARG:HD2	1:8:B:ASN:HA	10	0.11
(1,2528)	1:14:B:ARG:HD3	1:8:B:ASN:HA	10	0.11
(1,2510)	1:13:B:LEU:H	1:14:B:ARG:HB3	10	0.11
(1,2504)	1:13:B:LEU:H	1:6:B:VAL:HG21	6	0.11
(1,2504)	1:13:B:LEU:H	1:6:B:VAL:HG22	6	0.11
(1,2504)	1:13:B:LEU:H	1:6:B:VAL:HG23	6	0.11
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE1	11	0.11
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE2	11	0.11
(1,2487)	1:11:B:ASN:HD22	1:59:B:MET:HE3	11	0.11
(1,2483)	1:11:B:ASN:HD22	1:10:B:PRO:HB3	11	0.11
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	5	0.11
(1,2458)	1:11:B:ASN:H	1:15:B:SER:HB3	13	0.11
(1,2444)	1:9:B:SER:HB2	1:12:B:GLY:HA2	15	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	8	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	8	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	8	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	16	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	16	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	16	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	19	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	19	0.11
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	19	0.11
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	2	0.11
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	6	0.11
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	7	0.11
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	10	0.11
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	11	0.11
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	18	0.11
(1,2426)	1:9:B:SER:H	1:5:B:LEU:HB2	17	0.11
(1,2416)	1:8:B:ASN:H	1:6:B:VAL:HB	4	0.11
(1,2416)	1:8:B:ASN:H	1:6:B:VAL:HB	17	0.11
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE2	3	0.11
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE3	3	0.11
(1,2226)	1:106:A:GLN:HE21	1:48:A:ARG:HD2	9	0.11
(1,2226)	1:106:A:GLN:HE21	1:48:A:ARG:HD3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	9	0.11
(1,2223)	1:106:A:GLN:HE21	1:44:A:THR:HA	20	0.11
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	2	0.11
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	4	0.11
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	9	0.11
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	18	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	9	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	9	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	14	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	14	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	16	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	16	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	20	0.11
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	20	0.11
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB1	19	0.11
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB2	19	0.11
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB3	19	0.11
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	1	0.11
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	2	0.11
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	14	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	11	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	11	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	11	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	19	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	19	0.11
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	19	0.11
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	5	0.11
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	8	0.11
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	20	0.11
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	16	0.11
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	17	0.11
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	2	0.11
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	3	0.11
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	18	0.11
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	9	0.11
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	16	0.11
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	20	0.11
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	3	0.11
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	4	0.11
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	7	0.11
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	11	0.11
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	14	0.11
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	16	0.11
(1,1886)	1:90:A:THR:H	1:91:A:THR:HA	20	0.11
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	11	0.11
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	13	0.11
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	16	0.11
(1,1856)	1:87:A:ALA:H	1:88:A:VAL:HB	4	0.11
(1,1856)	1:87:A:ALA:H	1:88:A:VAL:HB	5	0.11
(1,1856)	1:87:A:ALA:H	1:88:A:VAL:HB	6	0.11
(1,1856)	1:87:A:ALA:H	1:88:A:VAL:HB	9	0.11
(1,1817)	1:84:A:THR:H	1:83:A:SER:H	11	0.11
(1,1814)	1:83:A:SER:H	1:84:A:THR:H	11	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB1	5	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB2	5	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB3	5	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB1	6	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB2	6	0.11
(1,1705)	1:78:A:GLN:H	1:26:A:ALA:HB3	6	0.11
(1,1695)	1:77:A:LEU:H	1:80:A:LEU:HB2	6	0.11
(1,1695)	1:77:A:LEU:H	1:80:A:LEU:HB2	9	0.11
(1,1644)	1:75:A:ALA:H	1:73:A:LEU:HB2	8	0.11
(1,1644)	1:75:A:ALA:H	1:73:A:LEU:HB2	16	0.11
(1,1628)	1:74:A:THR:HG21	1:77:A:LEU:HG	12	0.11
(1,1628)	1:74:A:THR:HG22	1:77:A:LEU:HG	12	0.11
(1,1628)	1:74:A:THR:HG23	1:77:A:LEU:HG	12	0.11
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	2	0.11
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	11	0.11
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	20	0.11
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD11	6	0.11
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD12	6	0.11
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD13	6	0.11
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	6	0.11
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	6	0.11
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	6	0.11
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG21	9	0.11
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG22	9	0.11
(1,1553)	1:72:A:ALA:H	1:22:A:ILE:HG23	9	0.11
(1,1531)	1:70:A:LEU:H	1:71:A:GLU:HB3	14	0.11
(1,1520)	1:70:A:LEU:H	1:66:A:VAL:HA	12	0.11
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	1	0.11
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	2	0.11
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:68:A:VAL:HB	1:65:A:LYS:HA	15	0.11
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	11	0.11
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	13	0.11
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	15	0.11
(1,1484)	1:68:A:VAL:H	1:70:A:LEU:HB2	3	0.11
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE1	9	0.11
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE2	9	0.11
(1,1470)	1:68:A:VAL:H	1:59:A:MET:HE3	9	0.11
(1,1443)	1:66:A:VAL:HG21	1:6:A:VAL:HB	3	0.11
(1,1443)	1:66:A:VAL:HG22	1:6:A:VAL:HB	3	0.11
(1,1443)	1:66:A:VAL:HG23	1:6:A:VAL:HB	3	0.11
(1,1443)	1:66:A:VAL:HG21	1:6:A:VAL:HB	17	0.11
(1,1443)	1:66:A:VAL:HG22	1:6:A:VAL:HB	17	0.11
(1,1443)	1:66:A:VAL:HG23	1:6:A:VAL:HB	17	0.11
(1,1437)	1:66:A:VAL:HG11	1:69:A:LEU:HG	12	0.11
(1,1437)	1:66:A:VAL:HG12	1:69:A:LEU:HG	12	0.11
(1,1437)	1:66:A:VAL:HG13	1:69:A:LEU:HG	12	0.11
(1,1437)	1:66:A:VAL:HG11	1:69:A:LEU:HG	19	0.11
(1,1437)	1:66:A:VAL:HG12	1:69:A:LEU:HG	19	0.11
(1,1437)	1:66:A:VAL:HG13	1:69:A:LEU:HG	19	0.11
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	1	0.11
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	2	0.11
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	12	0.11
(1,1398)	1:65:A:LYS:HA	1:68:A:VAL:HB	15	0.11
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG11	5	0.11
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG12	5	0.11
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG13	5	0.11
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG21	16	0.11
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG22	16	0.11
(1,1343)	1:63:A:GLU:HB2	1:66:A:VAL:HG23	16	0.11
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG21	16	0.11
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG22	16	0.11
(1,1343)	1:63:A:GLU:HB3	1:66:A:VAL:HG23	16	0.11
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	1	0.11
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	3	0.11
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	7	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE1	5	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE2	5	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE3	5	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE1	9	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE2	9	0.11
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD11	17	0.11
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD12	17	0.11
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD13	17	0.11
(1,1025)	1:48:A:ARG:H	1:45:A:SER:HB2	12	0.11
(1,1025)	1:48:A:ARG:H	1:45:A:SER:HB3	12	0.11
(1,990)	1:47:A:LEU:H	1:43:A:PHE:HE1	8	0.11
(1,990)	1:47:A:LEU:H	1:43:A:PHE:HE2	8	0.11
(1,990)	1:47:A:LEU:H	1:43:A:PHE:HE1	12	0.11
(1,990)	1:47:A:LEU:H	1:43:A:PHE:HE2	12	0.11
(1,950)	1:45:A:SER:H	1:41:A:ASN:HB3	15	0.11
(1,918)	1:44:A:THR:H	1:103:A:ALA:HA	15	0.11
(1,892)	1:43:A:PHE:H	1:40:A:VAL:HB	11	0.11
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	3	0.11
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	9	0.11
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	13	0.11
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	15	0.11
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	20	0.11
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG21	11	0.11
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG22	11	0.11
(1,858)	1:42:A:ALA:H	1:38:A:VAL:HG23	11	0.11
(1,795)	1:39:A:ASP:H	1:40:A:VAL:HA	2	0.11
(1,795)	1:39:A:ASP:H	1:40:A:VAL:HA	6	0.11
(1,782)	1:38:A:VAL:HG21	1:99:A:SER:HA	11	0.11
(1,782)	1:38:A:VAL:HG22	1:99:A:SER:HA	11	0.11
(1,782)	1:38:A:VAL:HG23	1:99:A:SER:HA	11	0.11
(1,658)	1:31:A:THR:H	1:32:A:ALA:HA	4	0.11
(1,605)	1:29:A:LEU:H	1:30:A:SER:HA	15	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	2	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	2	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	2	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	3	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	3	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	3	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	10	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	10	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	10	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	15	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	15	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	15	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	19	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	19	0.11
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	19	0.11
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	19	0.11
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	19	0.11
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB1	1	0.11
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB2	1	0.11
(1,474)	1:23:A:ASN:HD22	1:26:A:ALA:HB3	1	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	8	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	8	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	8	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	9	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	9	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	9	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	13	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	13	0.11
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	13	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	6	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	6	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	6	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	9	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	9	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	9	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	11	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	11	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	11	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	12	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	12	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	12	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	16	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	16	0.11
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	16	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	1	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	1	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	1	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	2	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	2	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	2	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	3	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	3	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	3	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	11	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	11	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	14	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	14	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	14	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	15	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	15	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	15	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	18	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	18	0.11
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	18	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	5	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	5	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	9	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	9	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	16	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	16	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	18	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	18	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	19	0.11
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	19	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	6	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	6	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	6	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	6	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	6	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	6	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	6	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	6	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	6	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	11	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	11	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	11	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	11	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	11	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	11	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	11	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	11	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	11	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	14	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	14	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	14	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	14	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	14	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	14	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	14	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	14	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG21	15	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG22	15	0.11
(1,294)	1:18:A:ALA:HB1	1:22:A:ILE:HG23	15	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG21	15	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG22	15	0.11
(1,294)	1:18:A:ALA:HB2	1:22:A:ILE:HG23	15	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG21	15	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG22	15	0.11
(1,294)	1:18:A:ALA:HB3	1:22:A:ILE:HG23	15	0.11
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	10	0.11
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	18	0.11
(1,262)	1:18:A:ALA:H	1:15:A:SER:H	14	0.11
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD2	12	0.11
(1,224)	1:15:A:SER:H	1:14:A:ARG:HD3	12	0.11
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	2	0.11
(1,195)	1:13:A:LEU:H	1:14:A:ARG:HB3	9	0.11
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	11	0.11
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	12	0.11
(1,162)	1:11:A:ASN:HD21	1:54:A:LEU:HA	14	0.11
(1,159)	1:11:A:ASN:HD21	1:10:A:PRO:HB3	7	0.11
(1,143)	1:11:A:ASN:H	1:15:A:SER:HB3	2	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	2	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	2	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	2	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	7	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	7	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	7	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	16	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	16	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	16	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	18	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	18	0.11
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	18	0.11
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE2	9	0.1
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE3	9	0.1
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE2	17	0.1
(1,7433)	1:109:A:ALA:H	1:65:A:LYS:HE3	17	0.1
(1,7425)	1:109:A:ALA:H	1:106:A:GLN:HA	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7348)	1:106:A:GLN:HE21	1:48:A:ARG:HD2	14	0.1
(1,7348)	1:106:A:GLN:HE21	1:48:A:ARG:HD3	14	0.1
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	1	0.1
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	3	0.1
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	7	0.1
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	8	0.1
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	10	0.1
(1,7332)	1:106:A:GLN:HE21	1:102:A:LYS:HA	19	0.1
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	5	0.1
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	5	0.1
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	17	0.1
(1,7325)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	17	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB1	5	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB2	5	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB3	5	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB1	7	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB2	7	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB3	7	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB1	18	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB2	18	0.1
(1,7293)	1:105:A:ALA:H	1:107:A:ALA:HB3	18	0.1
(1,7268)	1:104:A:VAL:H	1:108:A:LEU:HG	3	0.1
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	4	0.1
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	4	0.1
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	4	0.1
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	10	0.1
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	10	0.1
(1,7217)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	10	0.1
(1,7194)	1:101:A:SER:H	1:102:A:LYS:HG2	14	0.1
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	10	0.1
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	11	0.1
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	12	0.1
(1,7110)	1:96:A:THR:HA	1:99:A:SER:HA	15	0.1
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	4	0.1
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	11	0.1
(1,7092)	1:95:A:LEU:HG	1:92:A:SER:HA	16	0.1
(1,7088)	1:95:A:LEU:H	1:98:A:ASN:HB2	17	0.1
(1,7028)	1:91:A:THR:H	1:90:A:THR:HB	9	0.1
(1,7028)	1:91:A:THR:H	1:90:A:THR:HB	14	0.1
(1,7002)	1:90:A:THR:H	1:88:A:VAL:HB	10	0.1
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	6	0.1
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	8	0.1
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	17	0.1
(1,6991)	1:88:A:VAL:HB	1:87:A:ALA:HA	20	0.1
(1,6978)	1:87:A:ALA:H	1:88:A:VAL:HB	7	0.1
(1,6978)	1:87:A:ALA:H	1:88:A:VAL:HB	14	0.1
(1,6817)	1:77:A:LEU:H	1:80:A:LEU:HB2	2	0.1
(1,6817)	1:77:A:LEU:H	1:80:A:LEU:HB2	16	0.1
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG21	8	0.1
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG22	8	0.1
(1,6804)	1:77:A:LEU:H	1:22:A:ILE:HG23	8	0.1
(1,6766)	1:75:A:ALA:H	1:73:A:LEU:HB2	10	0.1
(1,6766)	1:75:A:ALA:H	1:73:A:LEU:HB2	13	0.1
(1,6690)	1:72:A:ALA:H	1:74:A:THR:HB	5	0.1
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD11	5	0.1
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD12	5	0.1
(1,6676)	1:72:A:ALA:H	1:29:A:LEU:HD13	5	0.1
(1,6672)	1:71:A:GLU:HB3	1:18:A:ALA:HB1	14	0.1
(1,6672)	1:71:A:GLU:HB3	1:18:A:ALA:HB2	14	0.1
(1,6672)	1:71:A:GLU:HB3	1:18:A:ALA:HB3	14	0.1
(1,6613)	1:68:A:VAL:HA	1:71:A:GLU:HG3	14	0.1
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	12	0.1
(1,6610)	1:68:A:VAL:HA	1:51:A:LEU:HA	19	0.1
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG2	16	0.1
(1,6603)	1:68:A:VAL:H	1:67:A:GLU:HG3	16	0.1
(1,6565)	1:66:A:VAL:HG21	1:6:A:VAL:HB	10	0.1
(1,6565)	1:66:A:VAL:HG22	1:6:A:VAL:HB	10	0.1
(1,6565)	1:66:A:VAL:HG23	1:6:A:VAL:HB	10	0.1
(1,6559)	1:66:A:VAL:HG11	1:69:A:LEU:HG	5	0.1
(1,6559)	1:66:A:VAL:HG12	1:69:A:LEU:HG	5	0.1
(1,6559)	1:66:A:VAL:HG13	1:69:A:LEU:HG	5	0.1
(1,6559)	1:66:A:VAL:HG11	1:69:A:LEU:HG	8	0.1
(1,6559)	1:66:A:VAL:HG12	1:69:A:LEU:HG	8	0.1
(1,6559)	1:66:A:VAL:HG13	1:69:A:LEU:HG	8	0.1
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG11	8	0.1
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG12	8	0.1
(1,6490)	1:64:A:ALA:H	1:6:A:VAL:HG13	8	0.1
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	2	0.1
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	2	0.1
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	2	0.1
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE1	15	0.1
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE2	15	0.1
(1,6432)	1:63:A:GLU:H	1:59:A:MET:HE3	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE2	17	0.1
(1,6424)	1:62:A:ASN:H	1:65:A:LYS:HE3	17	0.1
(1,6396)	1:60:A:SER:H	1:63:A:GLU:HA	13	0.1
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE1	16	0.1
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE2	16	0.1
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE3	16	0.1
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE1	18	0.1
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE2	18	0.1
(1,6344)	1:57:A:SER:H	1:59:A:MET:HE3	18	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD21	11	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD22	11	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD23	11	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD21	18	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD22	18	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD23	18	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD21	19	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD22	19	0.1
(1,6323)	1:56:A:ASP:H	1:54:A:LEU:HD23	19	0.1
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD11	5	0.1
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD12	5	0.1
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD13	5	0.1
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD11	7	0.1
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD12	7	0.1
(1,6207)	1:50:A:THR:H	1:54:A:LEU:HD13	7	0.1
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	10	0.1
(1,6088)	1:45:A:SER:HA	1:42:A:ALA:HA	16	0.1
(1,6007)	1:43:A:PHE:H	1:32:A:ALA:HA	16	0.1
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB1	16	0.1
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB2	16	0.1
(1,5939)	1:40:A:VAL:H	1:42:A:ALA:HB3	16	0.1
(1,5925)	1:39:A:ASP:HB3	1:38:A:VAL:HA	15	0.1
(1,5885)	1:38:A:VAL:HB	1:99:A:SER:HB2	5	0.1
(1,5885)	1:38:A:VAL:HB	1:99:A:SER:HB3	5	0.1
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG21	13	0.1
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG22	13	0.1
(1,5840)	1:34:A:GLY:H	1:38:A:VAL:HG23	13	0.1
(1,5780)	1:31:A:THR:H	1:32:A:ALA:HA	1	0.1
(1,5780)	1:31:A:THR:H	1:32:A:ALA:HA	3	0.1
(1,5780)	1:31:A:THR:H	1:32:A:ALA:HA	12	0.1
(1,5774)	1:31:A:THR:H	1:29:A:LEU:HA	8	0.1
(1,5727)	1:29:A:LEU:H	1:30:A:SER:HA	11	0.1
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	12	0.1
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	12	0.1
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD21	18	0.1
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD22	18	0.1
(1,5670)	1:26:A:ALA:H	1:29:A:LEU:HD23	18	0.1
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD21	18	0.1
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD22	18	0.1
(1,5630)	1:25:A:LEU:H	1:29:A:LEU:HD23	18	0.1
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	18	0.1
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	18	0.1
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	18	0.1
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	20	0.1
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	20	0.1
(1,5595)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	20	0.1
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG21	18	0.1
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG22	18	0.1
(1,5523)	1:22:A:ILE:H	1:74:A:THR:HG23	18	0.1
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	17	0.1
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	17	0.1
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	17	0.1
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	19	0.1
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	19	0.1
(1,5437)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	19	0.1
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	12	0.1
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	12	0.1
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB2	14	0.1
(1,5424)	1:19:A:LYS:H	1:17:A:GLN:HB3	14	0.1
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	1	0.1
(1,5396)	1:18:A:ALA:H	1:19:A:LYS:HG2	2	0.1
(1,5383)	1:18:A:ALA:H	1:13:A:LEU:HA	7	0.1
(1,5338)	1:14:A:ARG:HD2	1:8:A:ASN:HA	14	0.1
(1,5338)	1:14:A:ARG:HD3	1:8:A:ASN:HA	14	0.1
(1,5332)	1:14:A:ARG:H	1:13:A:LEU:HG	8	0.1
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	1	0.1
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	1	0.1
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	1	0.1
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD21	10	0.1
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD22	10	0.1
(1,5249)	1:9:A:SER:H	1:7:A:LEU:HD23	10	0.1
(1,5248)	1:9:A:SER:H	1:7:A:LEU:HB3	19	0.1
(1,5175)	1:5:A:LEU:HG	1:6:A:VAL:HB	17	0.1
(1,5149)	1:3:A:PHE:HD1	1:6:A:VAL:HB	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5149)	1:3:A:PHE:HD2	1:6:A:VAL:HB	1	0.1
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD2	20	0.1
(1,5099)	1:98:A:ASN:HD21	1:14:B:ARG:HD3	20	0.1
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	6	0.1
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	6	0.1
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB2	11	0.1
(1,5069)	1:93:A:ILE:HG13	1:78:B:GLN:HB3	11	0.1
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG21	4	0.1
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG22	4	0.1
(1,5037)	1:81:A:SER:H	1:96:B:THR:HG23	4	0.1
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG21	7	0.1
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG22	7	0.1
(1,4921)	1:23:A:ASN:H	1:90:B:THR:HG23	7	0.1
(1,4906)	1:19:A:LYS:HG2	1:93:B:ILE:HB	9	0.1
(1,4906)	1:19:A:LYS:HG2	1:93:B:ILE:HB	13	0.1
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	3	0.1
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	3	0.1
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	10	0.1
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	10	0.1
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	15	0.1
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	15	0.1
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD2	20	0.1
(1,4849)	1:98:B:ASN:HD21	1:14:A:ARG:HD3	20	0.1
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB2	5	0.1
(1,4819)	1:93:B:ILE:HG13	1:78:A:GLN:HB3	5	0.1
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	8	0.1
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	8	0.1
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	8	0.1
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG21	17	0.1
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG22	17	0.1
(1,4787)	1:81:B:SER:H	1:96:A:THR:HG23	17	0.1
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD11	6	0.1
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD12	6	0.1
(1,4713)	1:66:B:VAL:HG21	1:70:A:LEU:HD13	6	0.1
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD11	6	0.1
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD12	6	0.1
(1,4713)	1:66:B:VAL:HG22	1:70:A:LEU:HD13	6	0.1
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD11	6	0.1
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD12	6	0.1
(1,4713)	1:66:B:VAL:HG23	1:70:A:LEU:HD13	6	0.1
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG21	14	0.1
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG22	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4682)	1:23:B:ASN:HD21	1:88:A:VAL:HG23	14	0.1
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE2	20	0.1
(1,4610)	1:109:B:ALA:H	1:65:B:LYS:HE3	20	0.1
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	4	0.1
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	8	0.1
(1,4529)	1:106:B:GLN:HE21	1:102:B:LYS:HA	12	0.1
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	1	0.1
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	14	0.1
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	16	0.1
(1,4525)	1:106:B:GLN:HE21	1:44:B:THR:HA	20	0.1
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD2	8	0.1
(1,4515)	1:106:B:GLN:HB2	1:102:B:LYS:HD3	8	0.1
(1,4434)	1:103:B:ALA:HA	1:106:B:GLN:HG3	2	0.1
(1,4434)	1:103:B:ALA:HA	1:106:B:GLN:HG3	19	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	3	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	3	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	3	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	11	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	11	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	11	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	14	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	14	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	14	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB1	19	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB2	19	0.1
(1,4407)	1:102:B:LYS:HB2	1:103:B:ALA:HB3	19	0.1
(1,4386)	1:101:B:SER:H	1:102:B:LYS:HG2	12	0.1
(1,4282)	1:95:B:LEU:HG	1:92:B:SER:HA	19	0.1
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	5	0.1
(1,4218)	1:91:B:THR:H	1:90:B:THR:HB	8	0.1
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	7	0.1
(1,4198)	1:90:B:THR:H	1:91:B:THR:HA	8	0.1
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	5	0.1
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	8	0.1
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	17	0.1
(1,4181)	1:88:B:VAL:HB	1:87:B:ALA:HA	19	0.1
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	7	0.1
(1,4168)	1:87:B:ALA:H	1:88:B:VAL:HB	19	0.1
(1,4007)	1:77:B:LEU:H	1:80:B:LEU:HB2	3	0.1
(1,3956)	1:75:B:ALA:H	1:73:B:LEU:HB2	3	0.1
(1,3956)	1:75:B:ALA:H	1:73:B:LEU:HB2	8	0.1
(1,3940)	1:74:B:THR:HG21	1:77:B:LEU:HG	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3940)	1:74:B:THR:HG22	1:77:B:LEU:HG	19	0.1
(1,3940)	1:74:B:THR:HG23	1:77:B:LEU:HG	19	0.1
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG21	12	0.1
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG22	12	0.1
(1,3865)	1:72:B:ALA:H	1:22:B:ILE:HG23	12	0.1
(1,3850)	1:71:B:GLU:H	1:67:B:GLU:HB2	19	0.1
(1,3850)	1:71:B:GLU:H	1:67:B:GLU:HB3	19	0.1
(1,3836)	1:70:B:LEU:H	1:68:B:VAL:HB	10	0.1
(1,3832)	1:70:B:LEU:H	1:66:B:VAL:HA	5	0.1
(1,3803)	1:68:B:VAL:HA	1:71:B:GLU:HG3	2	0.1
(1,3803)	1:68:B:VAL:HA	1:71:B:GLU:HG3	20	0.1
(1,3800)	1:68:B:VAL:HA	1:51:B:LEU:HA	7	0.1
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	7	0.1
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	7	0.1
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	7	0.1
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE1	12	0.1
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE2	12	0.1
(1,3781)	1:68:B:VAL:H	1:59:B:MET:HE3	12	0.1
(1,3738)	1:66:B:VAL:HB	1:6:B:VAL:HG11	7	0.1
(1,3738)	1:66:B:VAL:HB	1:6:B:VAL:HG12	7	0.1
(1,3738)	1:66:B:VAL:HB	1:6:B:VAL:HG13	7	0.1
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE1	8	0.1
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE2	8	0.1
(1,3623)	1:63:B:GLU:H	1:59:B:MET:HE3	8	0.1
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE2	10	0.1
(1,3614)	1:62:B:ASN:H	1:65:B:LYS:HE3	10	0.1
(1,3586)	1:60:B:SER:H	1:63:B:GLU:HA	11	0.1
(1,3567)	1:59:B:MET:HE1	1:9:B:SER:H	9	0.1
(1,3567)	1:59:B:MET:HE2	1:9:B:SER:H	9	0.1
(1,3567)	1:59:B:MET:HE3	1:9:B:SER:H	9	0.1
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD21	11	0.1
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD22	11	0.1
(1,3513)	1:56:B:ASP:H	1:54:B:LEU:HD23	11	0.1
(1,3383)	1:49:B:ALA:HB1	1:52:B:SER:HB2	9	0.1
(1,3383)	1:49:B:ALA:HB1	1:52:B:SER:HB3	9	0.1
(1,3383)	1:49:B:ALA:HB2	1:52:B:SER:HB2	9	0.1
(1,3383)	1:49:B:ALA:HB2	1:52:B:SER:HB3	9	0.1
(1,3383)	1:49:B:ALA:HB3	1:52:B:SER:HB2	9	0.1
(1,3383)	1:49:B:ALA:HB3	1:52:B:SER:HB3	9	0.1
(1,3301)	1:47:B:LEU:H	1:43:B:PHE:HE1	18	0.1
(1,3301)	1:47:B:LEU:H	1:43:B:PHE:HE2	18	0.1
(1,3278)	1:45:B:SER:HA	1:42:B:ALA:HA	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3274)	1:45:B:SER:H	1:48:B:ARG:HB2	13	0.1
(1,3274)	1:45:B:SER:H	1:48:B:ARG:HB3	13	0.1
(1,3260)	1:45:B:SER:H	1:41:B:ASN:HB3	19	0.1
(1,3246)	1:44:B:THR:H	1:103:B:ALA:HA	19	0.1
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	2	0.1
(1,3196)	1:43:B:PHE:H	1:32:B:ALA:HA	9	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	3	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	3	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	3	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	5	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	5	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	5	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	14	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	14	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	14	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG21	17	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG22	17	0.1
(1,3170)	1:42:B:ALA:H	1:38:B:VAL:HG23	17	0.1
(1,3115)	1:39:B:ASP:HB3	1:38:B:VAL:HA	8	0.1
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB2	15	0.1
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB3	15	0.1
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB2	19	0.1
(1,3075)	1:38:B:VAL:HB	1:99:B:SER:HB3	19	0.1
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG21	7	0.1
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG22	7	0.1
(1,3030)	1:34:B:GLY:H	1:38:B:VAL:HG23	7	0.1
(1,2994)	1:32:B:ALA:H	1:38:B:VAL:HG21	5	0.1
(1,2994)	1:32:B:ALA:H	1:38:B:VAL:HG22	5	0.1
(1,2994)	1:32:B:ALA:H	1:38:B:VAL:HG23	5	0.1
(1,2917)	1:29:B:LEU:H	1:30:B:SER:HA	4	0.1
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	12	0.1
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	12	0.1
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	12	0.1
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD21	19	0.1
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD22	19	0.1
(1,2820)	1:25:B:LEU:H	1:29:B:LEU:HD23	19	0.1
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG21	14	0.1
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG22	14	0.1
(1,2713)	1:22:B:ILE:H	1:74:B:THR:HG23	14	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	1	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	1	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	6	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	6	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	6	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	8	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	8	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	8	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	9	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	9	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	9	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	13	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	13	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	13	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	16	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	16	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	16	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB1	17	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB2	17	0.1
(1,2627)	1:19:B:LYS:HB2	1:20:B:ALA:HB3	17	0.1
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB2	13	0.1
(1,2614)	1:19:B:LYS:H	1:17:B:GLN:HB3	13	0.1
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG21	16	0.1
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG22	16	0.1
(1,2606)	1:18:B:ALA:HB1	1:22:B:ILE:HG23	16	0.1
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG21	16	0.1
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG22	16	0.1
(1,2606)	1:18:B:ALA:HB2	1:22:B:ILE:HG23	16	0.1
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG21	16	0.1
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG22	16	0.1
(1,2606)	1:18:B:ALA:HB3	1:22:B:ILE:HG23	16	0.1
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	4	0.1
(1,2586)	1:18:B:ALA:H	1:19:B:LYS:HG2	5	0.1
(1,2474)	1:11:B:ASN:HD21	1:54:B:LEU:HA	1	0.1
(1,2471)	1:11:B:ASN:HD21	1:10:B:PRO:HB3	17	0.1
(1,2442)	1:9:B:SER:H	1:59:B:MET:HE1	9	0.1
(1,2442)	1:9:B:SER:H	1:59:B:MET:HE2	9	0.1
(1,2442)	1:9:B:SER:H	1:59:B:MET:HE3	9	0.1
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	5	0.1
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	5	0.1
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	5	0.1
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	14	0.1
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	14	0.1
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD21	20	0.1
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD22	20	0.1
(1,2435)	1:9:B:SER:H	1:7:B:LEU:HD23	20	0.1
(1,2434)	1:9:B:SER:H	1:7:B:LEU:HB3	19	0.1
(1,2416)	1:8:B:ASN:H	1:6:B:VAL:HB	5	0.1
(1,2380)	1:6:B:VAL:H	1:9:B:SER:HB2	15	0.1
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE2	9	0.1
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE3	9	0.1
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE2	17	0.1
(1,2311)	1:109:A:ALA:H	1:65:A:LYS:HE3	17	0.1
(1,2303)	1:109:A:ALA:H	1:106:A:GLN:HA	6	0.1
(1,2226)	1:106:A:GLN:HE21	1:48:A:ARG:HD2	14	0.1
(1,2226)	1:106:A:GLN:HE21	1:48:A:ARG:HD3	14	0.1
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	1	0.1
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	3	0.1
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	7	0.1
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	8	0.1
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	10	0.1
(1,2210)	1:106:A:GLN:HE21	1:102:A:LYS:HA	19	0.1
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	5	0.1
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	5	0.1
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD2	17	0.1
(1,2203)	1:106:A:GLN:HB2	1:102:A:LYS:HD3	17	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB1	5	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB2	5	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB3	5	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB1	7	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB2	7	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB3	7	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB1	18	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB2	18	0.1
(1,2171)	1:105:A:ALA:H	1:107:A:ALA:HB3	18	0.1
(1,2146)	1:104:A:VAL:H	1:108:A:LEU:HG	3	0.1
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	4	0.1
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	4	0.1
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	4	0.1
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB1	10	0.1
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB2	10	0.1
(1,2095)	1:102:A:LYS:HB2	1:103:A:ALA:HB3	10	0.1
(1,2072)	1:101:A:SER:H	1:102:A:LYS:HG2	14	0.1
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	10	0.1
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	12	0.1
(1,1988)	1:96:A:THR:HA	1:99:A:SER:HA	15	0.1
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	4	0.1
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	11	0.1
(1,1970)	1:95:A:LEU:HG	1:92:A:SER:HA	16	0.1
(1,1966)	1:95:A:LEU:H	1:98:A:ASN:HB2	17	0.1
(1,1906)	1:91:A:THR:H	1:90:A:THR:HB	9	0.1
(1,1906)	1:91:A:THR:H	1:90:A:THR:HB	14	0.1
(1,1880)	1:90:A:THR:H	1:88:A:VAL:HB	10	0.1
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	6	0.1
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	7	0.1
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	8	0.1
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	17	0.1
(1,1869)	1:88:A:VAL:HB	1:87:A:ALA:HA	20	0.1
(1,1856)	1:87:A:ALA:H	1:88:A:VAL:HB	7	0.1
(1,1856)	1:87:A:ALA:H	1:88:A:VAL:HB	14	0.1
(1,1695)	1:77:A:LEU:H	1:80:A:LEU:HB2	2	0.1
(1,1695)	1:77:A:LEU:H	1:80:A:LEU:HB2	16	0.1
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG21	8	0.1
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG22	8	0.1
(1,1682)	1:77:A:LEU:H	1:22:A:ILE:HG23	8	0.1
(1,1644)	1:75:A:ALA:H	1:73:A:LEU:HB2	10	0.1
(1,1644)	1:75:A:ALA:H	1:73:A:LEU:HB2	13	0.1
(1,1568)	1:72:A:ALA:H	1:74:A:THR:HB	5	0.1
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD11	5	0.1
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD12	5	0.1
(1,1554)	1:72:A:ALA:H	1:29:A:LEU:HD13	5	0.1
(1,1550)	1:71:A:GLU:HB3	1:18:A:ALA:HB1	14	0.1
(1,1550)	1:71:A:GLU:HB3	1:18:A:ALA:HB2	14	0.1
(1,1550)	1:71:A:GLU:HB3	1:18:A:ALA:HB3	14	0.1
(1,1491)	1:68:A:VAL:HA	1:71:A:GLU:HG3	14	0.1
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	12	0.1
(1,1488)	1:68:A:VAL:HA	1:51:A:LEU:HA	19	0.1
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG2	16	0.1
(1,1481)	1:68:A:VAL:H	1:67:A:GLU:HG3	16	0.1
(1,1443)	1:66:A:VAL:HG21	1:6:A:VAL:HB	10	0.1
(1,1443)	1:66:A:VAL:HG22	1:6:A:VAL:HB	10	0.1
(1,1443)	1:66:A:VAL:HG23	1:6:A:VAL:HB	10	0.1
(1,1437)	1:66:A:VAL:HG11	1:69:A:LEU:HG	5	0.1
(1,1437)	1:66:A:VAL:HG12	1:69:A:LEU:HG	5	0.1
(1,1437)	1:66:A:VAL:HG13	1:69:A:LEU:HG	5	0.1
(1,1437)	1:66:A:VAL:HG11	1:69:A:LEU:HG	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:66:A:VAL:HG12	1:69:A:LEU:HG	8	0.1
(1,1437)	1:66:A:VAL:HG13	1:69:A:LEU:HG	8	0.1
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG11	8	0.1
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG12	8	0.1
(1,1368)	1:64:A:ALA:H	1:6:A:VAL:HG13	8	0.1
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	2	0.1
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	2	0.1
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	2	0.1
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE1	15	0.1
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE2	15	0.1
(1,1310)	1:63:A:GLU:H	1:59:A:MET:HE3	15	0.1
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE2	17	0.1
(1,1302)	1:62:A:ASN:H	1:65:A:LYS:HE3	17	0.1
(1,1274)	1:60:A:SER:H	1:63:A:GLU:HA	13	0.1
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE1	16	0.1
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE2	16	0.1
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE3	16	0.1
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE1	18	0.1
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE2	18	0.1
(1,1222)	1:57:A:SER:H	1:59:A:MET:HE3	18	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD21	11	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD22	11	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD23	11	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD21	18	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD22	18	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD23	18	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD21	19	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD22	19	0.1
(1,1201)	1:56:A:ASP:H	1:54:A:LEU:HD23	19	0.1
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD11	5	0.1
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD12	5	0.1
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD13	5	0.1
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD11	7	0.1
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD12	7	0.1
(1,1085)	1:50:A:THR:H	1:54:A:LEU:HD13	7	0.1
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	10	0.1
(1,966)	1:45:A:SER:HA	1:42:A:ALA:HA	16	0.1
(1,885)	1:43:A:PHE:H	1:32:A:ALA:HA	16	0.1
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB1	16	0.1
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB2	16	0.1
(1,817)	1:40:A:VAL:H	1:42:A:ALA:HB3	16	0.1
(1,803)	1:39:A:ASP:HB3	1:38:A:VAL:HA	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:38:A:VAL:HB	1:99:A:SER:HB2	5	0.1
(1,763)	1:38:A:VAL:HB	1:99:A:SER:HB3	5	0.1
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG21	13	0.1
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG22	13	0.1
(1,718)	1:34:A:GLY:H	1:38:A:VAL:HG23	13	0.1
(1,658)	1:31:A:THR:H	1:32:A:ALA:HA	1	0.1
(1,658)	1:31:A:THR:H	1:32:A:ALA:HA	3	0.1
(1,658)	1:31:A:THR:H	1:32:A:ALA:HA	12	0.1
(1,652)	1:31:A:THR:H	1:29:A:LEU:HA	8	0.1
(1,605)	1:29:A:LEU:H	1:30:A:SER:HA	11	0.1
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	12	0.1
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	12	0.1
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	12	0.1
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD21	18	0.1
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD22	18	0.1
(1,548)	1:26:A:ALA:H	1:29:A:LEU:HD23	18	0.1
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD21	18	0.1
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD22	18	0.1
(1,508)	1:25:A:LEU:H	1:29:A:LEU:HD23	18	0.1
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	18	0.1
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	18	0.1
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	18	0.1
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB1	20	0.1
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB2	20	0.1
(1,473)	1:23:A:ASN:HD22	1:20:A:ALA:HB3	20	0.1
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG21	18	0.1
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG22	18	0.1
(1,401)	1:22:A:ILE:H	1:74:A:THR:HG23	18	0.1
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	17	0.1
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	17	0.1
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	17	0.1
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB1	19	0.1
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB2	19	0.1
(1,315)	1:19:A:LYS:HB2	1:20:A:ALA:HB3	19	0.1
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	12	0.1
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	12	0.1
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB2	14	0.1
(1,302)	1:19:A:LYS:H	1:17:A:GLN:HB3	14	0.1
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	1	0.1
(1,274)	1:18:A:ALA:H	1:19:A:LYS:HG2	2	0.1
(1,261)	1:18:A:ALA:H	1:13:A:LEU:HA	7	0.1
(1,216)	1:14:A:ARG:HD2	1:8:A:ASN:HA	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:14:A:ARG:HD3	1:8:A:ASN:HA	14	0.1
(1,210)	1:14:A:ARG:H	1:13:A:LEU:HG	8	0.1
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	1	0.1
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	1	0.1
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	1	0.1
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD21	10	0.1
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD22	10	0.1
(1,127)	1:9:A:SER:H	1:7:A:LEU:HD23	10	0.1
(1,126)	1:9:A:SER:H	1:7:A:LEU:HB3	19	0.1
(1,53)	1:5:A:LEU:HG	1:6:A:VAL:HB	17	0.1
(1,27)	1:3:A:PHE:HD1	1:6:A:VAL:HB	1	0.1
(1,27)	1:3:A:PHE:HD2	1:6:A:VAL:HB	1	0.1

10 Dihedral-angle violation analysis

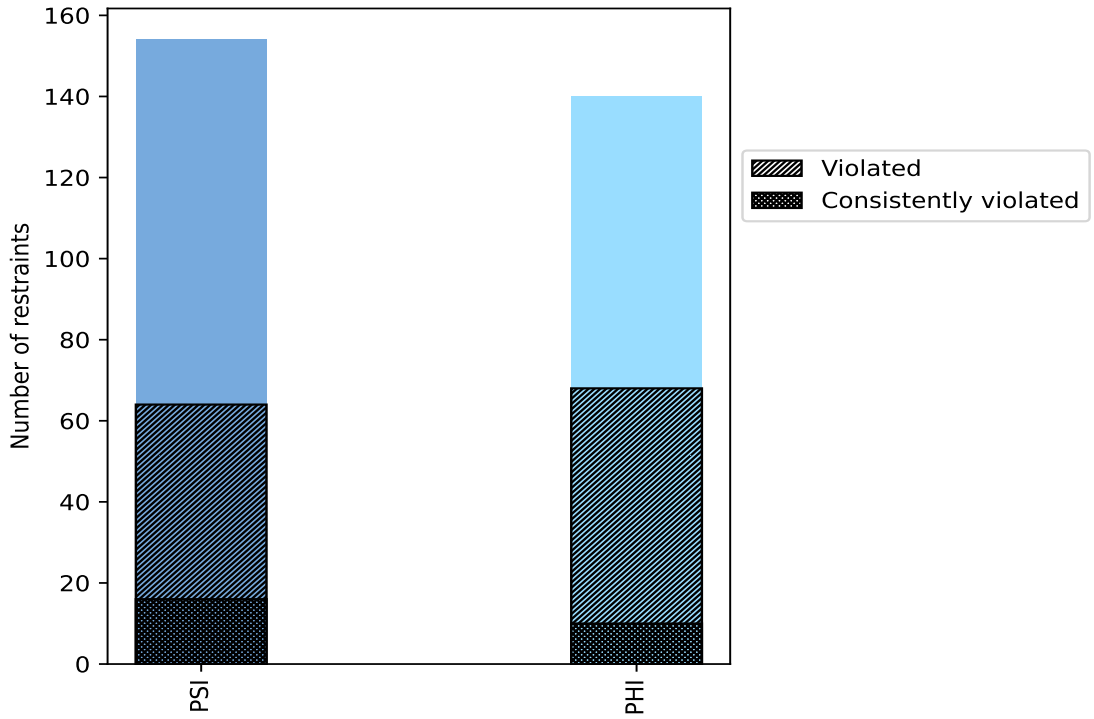
10.1 Summary of dihedral-angle violations

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	154	52.4	64	41.6	21.8	16	10.4	5.4
PHI	140	47.6	68	48.6	23.1	10	7.1	3.4
Total	294	100.0	132	44.9	44.9	26	8.8	8.8

[1] percentage calculated with respect to total number of dihedral-angle restraints, [2] percentage calculated with respect to number of restraints in a particular dihedral-angle type, [3] violated in at least one model, [4] violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations



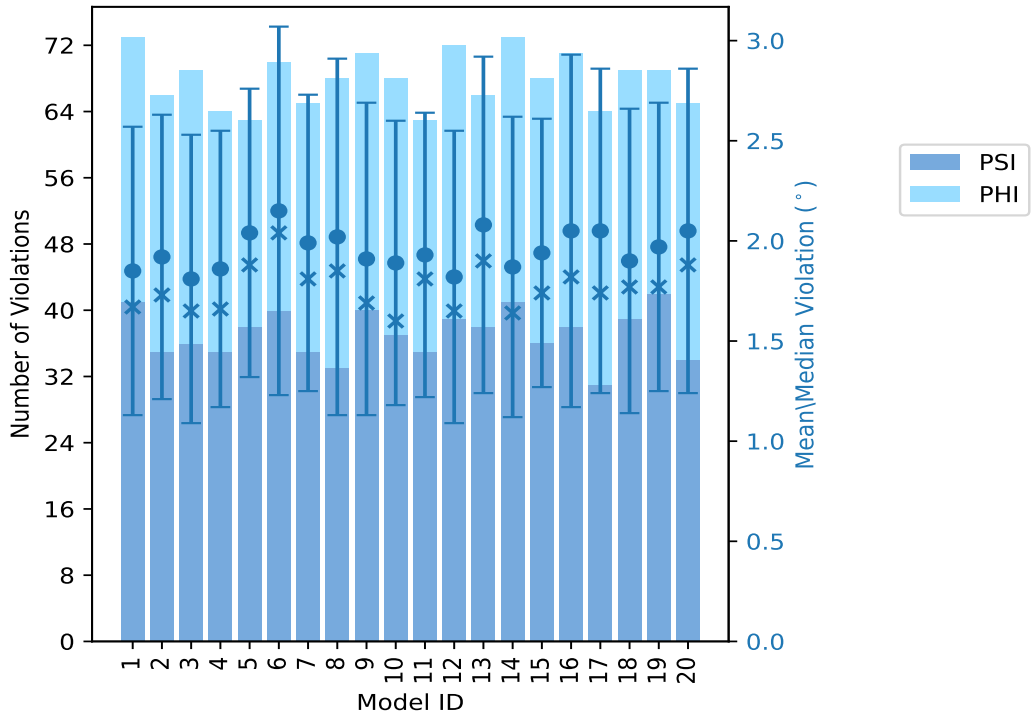
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model (i)

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	41	32	73	1.85	3.98	0.72	1.67
2	35	31	66	1.92	3.5	0.71	1.73
3	36	33	69	1.81	3.85	0.72	1.65
4	35	29	64	1.86	3.57	0.69	1.66
5	38	25	63	2.04	3.77	0.72	1.88
6	40	30	70	2.15	6.07	0.92	2.04
7	35	30	65	1.99	3.74	0.74	1.81
8	33	35	68	2.02	5.36	0.89	1.85
9	40	31	71	1.91	4.2	0.78	1.69
10	37	31	68	1.89	3.51	0.71	1.6
11	35	28	63	1.93	4.17	0.71	1.81
12	39	33	72	1.82	3.92	0.73	1.65
13	38	28	66	2.08	4.35	0.84	1.9
14	41	32	73	1.87	3.85	0.75	1.64
15	36	32	68	1.94	4.45	0.67	1.74
16	38	33	71	2.05	4.64	0.88	1.82
17	31	33	64	2.05	4.13	0.81	1.74
18	39	30	69	1.9	3.61	0.76	1.77
19	42	27	69	1.97	4.14	0.72	1.77
20	34	31	65	2.05	4.3	0.81	1.88

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
7	16	23	1	5.0
4	6	10	2	10.0
2	4	6	3	15.0
2	4	6	4	20.0
4	0	4	5	25.0
1	1	2	6	30.0
2	3	5	7	35.0
2	1	3	8	40.0
1	2	3	9	45.0
3	2	5	10	50.0
1	3	4	11	55.0

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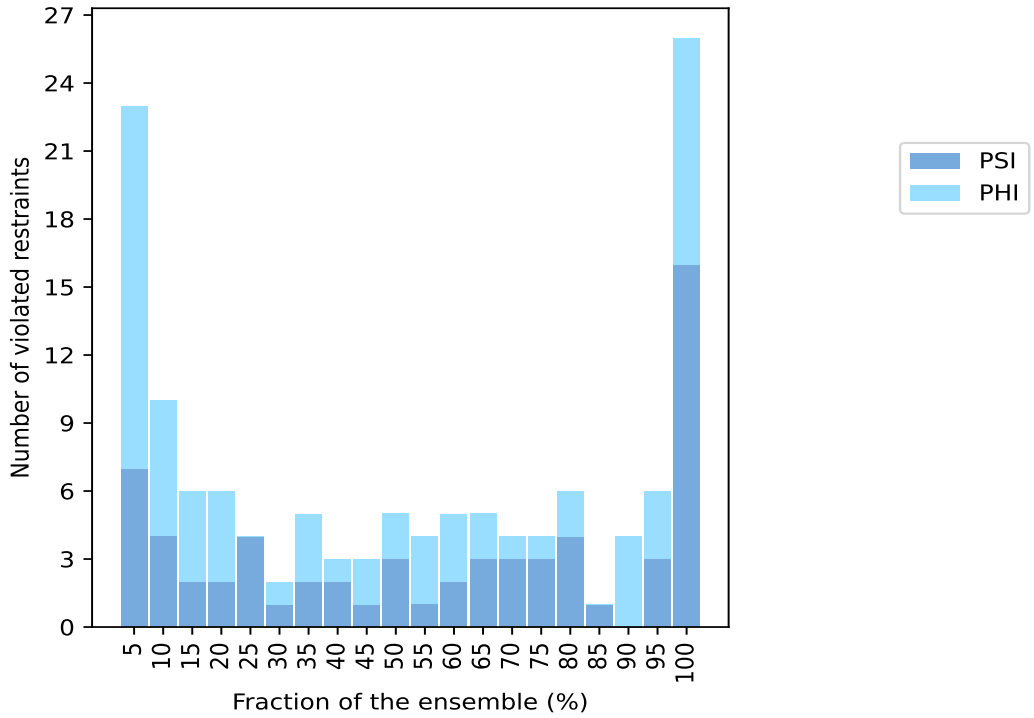
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
2	3	5	12	60.0
3	2	5	13	65.0
3	1	4	14	70.0
3	1	4	15	75.0
4	2	6	16	80.0
1	0	1	17	85.0
0	4	4	18	90.0
3	3	6	19	95.0
16	10	26	20	100.0

[1] Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble

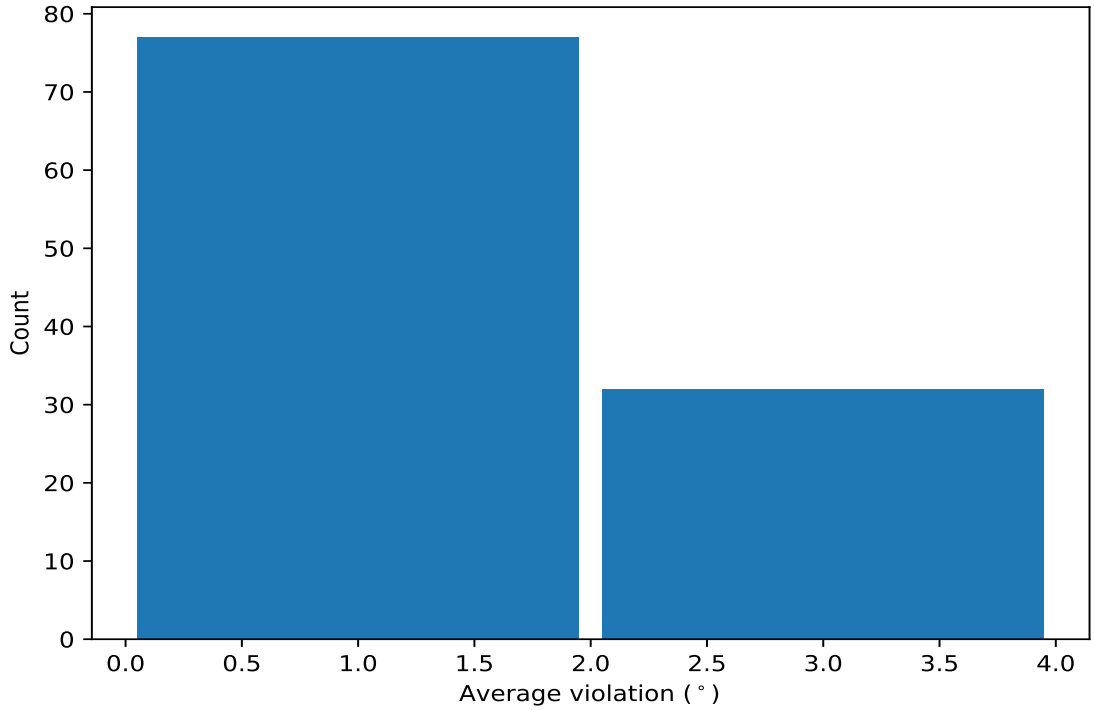


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	20	3.57	0.25	3.58
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	20	3.4	0.34	3.48
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	20	2.96	0.69	2.98
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	20	2.78	0.56	2.97
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	20	2.71	0.64	2.58
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	20	2.7	0.62	2.68
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	20	2.66	0.56	2.76
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	20	2.65	0.6	2.62
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	20	2.63	1.14	1.92
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	20	2.61	0.46	2.7
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	20	2.44	0.56	2.33
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	20	2.43	0.42	2.5
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	20	2.39	0.9	2.32
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	20	2.39	0.54	2.24
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	20	2.38	0.58	2.3
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	20	2.3	0.48	2.44
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	20	2.29	0.56	2.18
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	20	2.2	0.34	2.21
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	20	2.14	0.39	2.12
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	20	2.05	0.35	2.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	20	2.02	0.48	2.04
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	20	1.73	0.31	1.8
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	20	1.72	0.39	1.71
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	20	1.7	0.26	1.68
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	20	1.67	0.51	1.51
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	20	1.58	0.34	1.52
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	19	2.83	0.87	3.13
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	19	2.7	0.86	2.69
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	19	2.55	0.63	2.3
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	19	2.28	0.75	2.18
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	19	2.16	0.54	2.19
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	19	1.99	0.45	1.9
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	18	2.34	0.47	2.27
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	18	1.77	0.52	1.67
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	18	1.68	0.37	1.67
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	18	1.56	0.38	1.44
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	17	1.79	0.42	1.68
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	16	2.06	0.62	2.09
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	16	1.73	0.37	1.72
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	16	1.7	0.37	1.68
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	16	1.45	0.24	1.44
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	16	1.38	0.27	1.28
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	16	1.32	0.23	1.28
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	15	1.73	0.25	1.75
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	15	1.64	0.55	1.42
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	15	1.42	0.37	1.29
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	15	1.42	0.23	1.42
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	14	2.34	0.87	2.74
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	14	1.82	0.42	1.8
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	14	1.3	0.19	1.27
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	14	1.25	0.16	1.23
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	13	1.55	0.28	1.49
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	13	1.53	0.43	1.49
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	13	1.5	0.36	1.52
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	13	1.47	0.29	1.55
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	13	1.23	0.12	1.2
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	12	3.01	1.38	3.28
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	12	1.68	0.39	1.69
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	12	1.62	0.26	1.56
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	12	1.33	0.18	1.32
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	12	1.33	0.14	1.33
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	11	1.52	0.43	1.47
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	11	1.38	0.28	1.3
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	11	1.38	0.38	1.19
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	11	1.34	0.2	1.36
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	10	1.71	0.17	1.67
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	10	1.58	0.32	1.66
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	10	1.57	0.39	1.46
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	10	1.42	0.73	1.19
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	10	1.14	0.1	1.13
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	9	2.38	0.99	2.98

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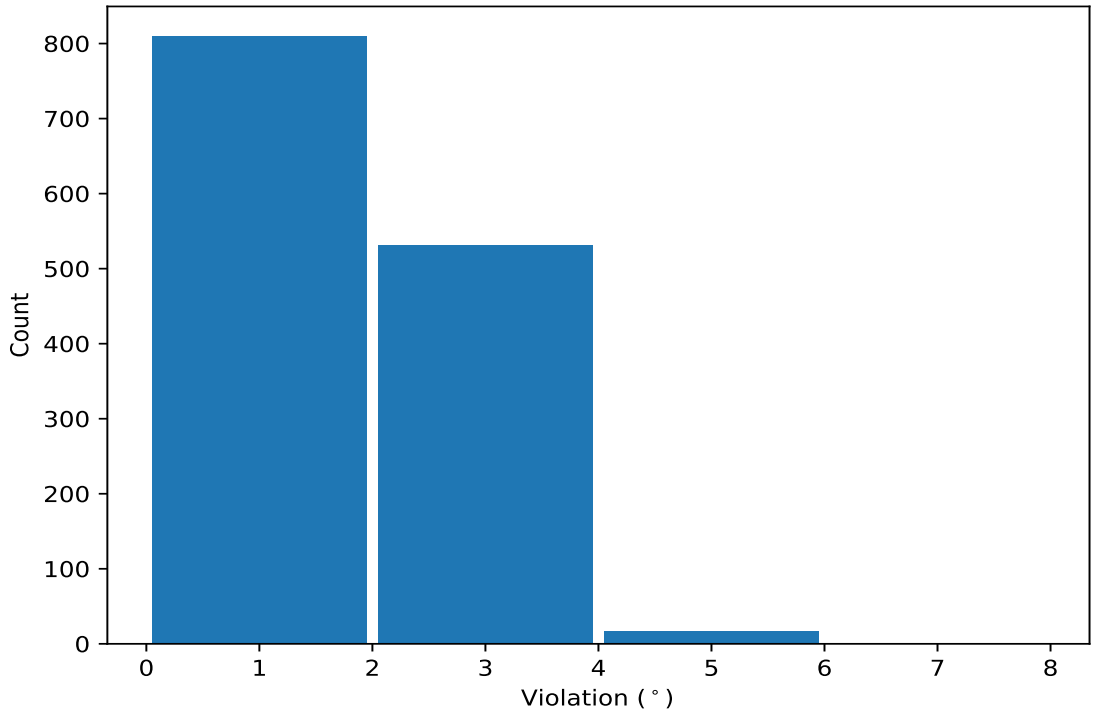
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	9	1.56	0.39	1.42
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	9	1.29	0.23	1.2
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	8	3.0	1.06	2.79
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	8	1.64	0.48	1.45
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	8	1.37	0.32	1.34
(1,238)	1:68:B:VAL:C	1:69:B:LEU:N	1:69:B:LEU:CA	1:69:B:LEU:C	7	1.64	0.45	1.37
(1,101)	1:74:A:THR:C	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	7	1.28	0.16	1.33
(1,166)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ALA:N	7	1.28	0.14	1.25
(1,18)	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	1:20:A:ALA:N	7	1.22	0.21	1.13
(1,242)	1:70:B:LEU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	7	1.16	0.15	1.17
(1,94)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:ALA:N	6	1.46	0.36	1.4
(1,57)	1:44:A:THR:C	1:45:A:SER:N	1:45:A:SER:CA	1:45:A:SER:C	6	1.13	0.1	1.12
(1,138)	1:101:A:SER:N	1:101:A:SER:CA	1:101:A:SER:C	1:102:A:LYS:N	5	1.33	0.48	1.06
(1,199)	1:41:B:ASN:N	1:41:B:ASN:CA	1:41:B:ASN:C	1:42:B:ALA:N	5	1.32	0.16	1.3
(1,105)	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	1:78:A:GLN:N	5	1.31	0.22	1.28
(1,88)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:LEU:N	5	1.16	0.14	1.2
(1,250)	1:74:B:THR:C	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	4	1.53	0.53	1.3
(1,35)	1:28:A:ALA:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	4	1.37	0.24	1.32
(1,243)	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	1:72:B:ALA:N	4	1.27	0.2	1.25
(1,147)	1:2:B:SER:C	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	4	1.25	0.21	1.18
(1,237)	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	1:69:B:LEU:N	4	1.19	0.12	1.19
(1,93)	1:70:A:LEU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	4	1.17	0.08	1.2
(1,108)	1:78:A:GLN:C	1:79:A:LEU:N	1:79:A:LEU:CA	1:79:A:LEU:C	3	1.25	0.08	1.26
(1,162)	1:17:B:GLN:N	1:17:B:GLN:CA	1:17:B:GLN:C	1:18:B:ALA:N	3	1.25	0.16	1.16
(1,118)	1:90:A:THR:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	3	1.23	0.22	1.17
(1,284)	1:99:B:SER:C	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	3	1.21	0.08	1.26
(1,195)	1:39:B:ASP:N	1:39:B:ASP:CA	1:39:B:ASP:C	1:40:B:VAL:N	3	1.17	0.13	1.16
(1,154)	1:6:B:VAL:C	1:7:B:LEU:N	1:7:B:LEU:CA	1:7:B:LEU:C	3	1.11	0.03	1.11
(1,1)	1:2:A:SER:C	1:3:A:PHE:N	1:3:A:PHE:CA	1:3:A:PHE:C	2	1.75	0.66	1.75
(1,152)	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	1:6:B:VAL:N	2	1.74	0.7	1.74
(1,47)	1:39:A:ASP:N	1:39:A:ASP:CA	1:39:A:ASP:C	1:40:A:VAL:N	2	1.33	0.06	1.33
(1,282)	1:98:B:ASN:C	1:99:B:SER:N	1:99:B:SER:CA	1:99:B:SER:C	2	1.25	0.24	1.25
(1,133)	1:98:A:ASN:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	2	1.23	0.17	1.23
(1,95)	1:71:A:GLU:C	1:72:A:ALA:N	1:72:A:ALA:CA	1:72:A:ALA:C	2	1.22	0.1	1.22
(1,127)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:THR:N	2	1.19	0.08	1.19
(1,159)	1:13:B:LEU:C	1:14:B:ARG:N	1:14:B:ARG:CA	1:14:B:ARG:C	2	1.17	0.1	1.17
(1,268)	1:91:B:THR:N	1:91:B:THR:CA	1:91:B:THR:C	1:92:B:SER:N	2	1.07	0.01	1.07
(1,267)	1:90:B:THR:C	1:91:B:THR:N	1:91:B:THR:CA	1:91:B:THR:C	2	1.05	0.01	1.05

[1] Number of violated models, [2]Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	6	6.07
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	8	5.36
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	16	4.64
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	15	4.45
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	16	4.4
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	13	4.35
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	20	4.3
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	9	4.2
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	11	4.17
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	8	4.17
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	6	4.15
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	6	4.15
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	19	4.14
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	17	4.13
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	16	4.08
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	17	4.07
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	6	4.03
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1	3.98
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	8	3.98
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	12	3.92
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	13	3.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	9	3.87
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	20	3.86
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	3	3.85
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	14	3.85
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	14	3.84
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	9	3.83
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	17	3.83
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	20	3.82
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	13	3.8
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	13	3.78
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	5	3.77
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	7	3.74
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	17	3.74
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	7	3.73
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	5	3.68
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	11	3.68
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	15	3.67
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	12	3.66
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	16	3.63
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	17	3.62
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	17	3.62
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	14	3.61
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	18	3.61
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	17	3.6
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	8	3.6
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	13	3.59
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	3	3.59
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	16	3.59
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	18	3.58
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	8	3.58
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	4	3.57
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	5	3.57
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	7	3.57
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	6	3.57
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	19	3.56
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	19	3.56
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	13	3.55
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	18	3.54
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	16	3.54
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	4	3.54
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	20	3.52
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	14	3.52
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	7	3.52
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	10	3.51
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	14	3.5
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	5	3.5
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	2	3.5
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	3	3.5
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	13	3.49
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	10	3.49
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	20	3.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	18	3.48
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	10	3.48
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	8	3.47
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	2	3.47
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	1	3.46
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	17	3.46
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	6	3.46
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	9	3.45
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	19	3.45
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	3	3.45
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	12	3.44
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	2	3.43
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	19	3.43
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	6	3.42
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	9	3.42
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	10	3.42
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	8	3.4
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	9	3.39
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	2	3.39
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	1	3.38
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	13	3.37
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	10	3.37
(1,134)	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	1:100:A:VAL:N	6	3.34
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	1	3.34
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	7	3.33
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	16	3.33
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	8	3.33
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	1	3.32
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	18	3.32
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	11	3.32
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	14	3.31
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	10	3.31
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	20	3.3
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	20	3.28
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	16	3.28
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	12	3.27
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	18	3.27
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	19	3.26
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	3	3.25
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	4	3.25
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	9	3.25
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	13	3.25
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	6	3.24
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	16	3.24
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	12	3.23
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	4	3.23
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	7	3.22
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	11	3.22
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	7	3.22
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	20	3.21
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	11	3.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	2	3.19
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	16	3.19
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	5	3.18
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	5	3.18
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	9	3.18
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	16	3.16
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	2	3.16
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	20	3.15
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	16	3.15
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	2	3.14
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	8	3.14
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	5	3.13
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	5	3.1
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	7	3.09
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	8	3.09
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	15	3.08
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	11	3.08
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	17	3.08
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	11	3.07
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	6	3.07
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	14	3.07
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	1	3.07
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	18	3.07
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	1	3.06
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	18	3.06
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	6	3.06
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	19	3.05
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	8	3.05
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	13	3.05
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	17	3.05
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	2	3.05
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	9	3.05
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	18	3.05
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	7	3.05
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	19	3.04
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	7	3.04
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	10	3.04
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	14	3.04
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	17	3.03
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	10	3.03
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	12	3.02
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	5	3.02
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	6	3.02
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	20	3.01
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	3	3.01
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	5	3.01
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	1	3.0
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	16	2.99
(1,256)	1:78:B:GLN:N	1:78:B:GLN:CA	1:78:B:GLN:C	1:79:B:LEU:N	10	2.99
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	7	2.99
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	19	2.99

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Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	15	2.98
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	20	2.98
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	13	2.98
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	13	2.97
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	3	2.97
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	8	2.97
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	12	2.97
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	18	2.96
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	6	2.96
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	4	2.95
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	2	2.95
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	13	2.95
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	15	2.95
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	5	2.94
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	14	2.94
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	4	2.94
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	13	2.91
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	15	2.88
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	1	2.87
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	8	2.87
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	8	2.87
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	3	2.86
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	15	2.86
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	3	2.85
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	12	2.84
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	8	2.84
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	4	2.84
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	20	2.83
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	1	2.82
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	7	2.82
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	5	2.82
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	9	2.81
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	2	2.81
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	1	2.8
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	19	2.8
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	15	2.8
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	15	2.79
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	2	2.79
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	4	2.79
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	6	2.79
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	14	2.79
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	6	2.78
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	18	2.78
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	9	2.77
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	17	2.77
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	2	2.77
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	1	2.77
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	13	2.77
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	13	2.76
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	20	2.76
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	5	2.75

Continued on next page...

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	3	2.75
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	11	2.74
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	3	2.73
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	10	2.73
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	4	2.73
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	12	2.73
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	10	2.72
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	9	2.72
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	15	2.72
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	17	2.72
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	7	2.71
(1,107)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:LEU:N	3	2.71
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	11	2.7
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	4	2.69
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	18	2.69
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	11	2.69
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	5	2.69
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	19	2.69
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	15	2.69
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	17	2.68
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	12	2.68
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	12	2.67
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	14	2.67
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	2	2.66
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	10	2.66
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	16	2.66
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	18	2.65
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	20	2.65
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	16	2.64
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	18	2.64
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	7	2.64
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	18	2.63
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	19	2.63
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	20	2.63
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	4	2.62
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	19	2.62
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	13	2.62
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	18	2.61
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	19	2.61
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	16	2.59
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	14	2.58
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	19	2.58
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	14	2.58
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	10	2.58
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	16	2.58
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	14	2.58
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	16	2.58
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	6	2.57
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	20	2.57
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	16	2.56
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	17	2.56

Continued on next page...

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	5	2.55
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	11	2.54
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	1	2.54
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	12	2.54
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	5	2.54
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	16	2.54
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	9	2.53
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	20	2.53
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	7	2.52
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	20	2.52
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	4	2.52
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	9	2.52
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	12	2.51
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	11	2.51
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	18	2.51
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	9	2.51
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	16	2.5
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	15	2.5
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	12	2.5
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	19	2.49
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	20	2.49
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	9	2.49
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	15	2.49
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	11	2.48
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1	2.48
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	20	2.48
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	6	2.48
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	15	2.47
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	19	2.47
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	12	2.47
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	18	2.46
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	4	2.46
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	4	2.46
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	15	2.46
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	13	2.46
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	2	2.46
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	8	2.46
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	17	2.45
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	4	2.45
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	12	2.45
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	14	2.45
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	5	2.45
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	11	2.44
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	16	2.44
(1,152)	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	1:6:B:VAL:N	10	2.44
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	10	2.44
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	11	2.44
(1,250)	1:74:B:THR:C	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	6	2.43
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	11	2.43
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	10	2.43
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	6	2.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	15	2.42
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	11	2.42
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	6	2.41
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	10	2.41
(1,1)	1:2:A:SER:C	1:3:A:PHE:N	1:3:A:PHE:CA	1:3:A:PHE:C	9	2.41
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	1	2.4
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	18	2.4
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	6	2.4
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	19	2.4
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	9	2.39
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	20	2.39
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	7	2.39
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	13	2.38
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	15	2.38
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	20	2.37
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	12	2.36
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	4	2.36
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	16	2.36
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	14	2.36
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	2	2.35
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	3	2.35
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	6	2.35
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	6	2.35
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	6	2.35
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	4	2.34
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	15	2.34
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	15	2.34
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	14	2.34
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	5	2.34
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	6	2.33
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	4	2.33
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	12	2.33
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	13	2.33
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	14	2.33
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	15	2.33
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	8	2.33
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	1	2.33
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	2	2.33
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	9	2.33
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	14	2.32
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	7	2.32
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	8	2.32
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	10	2.31
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	18	2.31
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	19	2.31
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	13	2.31
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	2	2.31
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	8	2.31
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	2	2.3
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	1	2.3
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	17	2.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	5	2.3
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	19	2.3
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	15	2.3
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	15	2.29
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	14	2.29
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	4	2.29
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	10	2.28
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	11	2.28
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	15	2.28
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	6	2.28
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	17	2.27
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	5	2.27
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	6	2.27
(1,138)	1:101:A:SER:N	1:101:A:SER:CA	1:101:A:SER:C	1:102:A:LYS:N	6	2.27
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	3	2.27
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	3	2.27
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	10	2.27
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	6	2.26
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	20	2.26
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1	2.26
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	16	2.26
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	20	2.26
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	4	2.25
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	8	2.25
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	17	2.25
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	9	2.25
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	12	2.25
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	18	2.25
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	5	2.25
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	13	2.25
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	7	2.24
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	15	2.24
(1,238)	1:68:B:VAL:C	1:69:B:LEU:N	1:69:B:LEU:CA	1:69:B:LEU:C	19	2.24
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	19	2.24
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	4	2.24
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	4	2.24
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	1	2.24
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	19	2.23
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	6	2.23
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	14	2.23
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	18	2.23
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	13	2.23
(1,238)	1:68:B:VAL:C	1:69:B:LEU:N	1:69:B:LEU:CA	1:69:B:LEU:C	17	2.22
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	6	2.22
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	2	2.22
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	13	2.22
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	16	2.22
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	9	2.21
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	17	2.21
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	16	2.21
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	11	2.21

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1	2.21
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	12	2.2
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	10	2.2
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	3	2.2
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1	2.2
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	3	2.19
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	6	2.19
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	13	2.19
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	2	2.19
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	7	2.19
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	18	2.19
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	11	2.18
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	15	2.18
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	20	2.18
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	17	2.18
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	17	2.18
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	20	2.18
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	14	2.18
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	6	2.18
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	20	2.17
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	6	2.17
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	1	2.17
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	13	2.17
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	7	2.16
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	14	2.16
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	5	2.16
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	3	2.16
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	2	2.15
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	2	2.15
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	14	2.15
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	12	2.15
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	7	2.15
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	8	2.14
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	10	2.14
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	12	2.14
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	7	2.14
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	1	2.14
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	19	2.14
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	8	2.14
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	2	2.14
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	4	2.13
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	11	2.13
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	4	2.13
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	5	2.12
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	19	2.12
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	5	2.12
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	19	2.11
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	13	2.11
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	10	2.11
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	2	2.11
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	17	2.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	11	2.1
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	8	2.1
(1,94)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:ALA:N	9	2.1
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	11	2.09
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	17	2.09
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	19	2.09
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	9	2.09
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	20	2.09
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	7	2.08
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	6	2.08
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	8	2.07
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	9	2.07
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	15	2.07
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	14	2.07
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	3	2.07
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	16	2.06
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	16	2.06
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	19	2.06
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	8	2.06
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	17	2.06
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	15	2.06
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	11	2.06
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	12	2.06
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	2	2.06
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	8	2.05
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	13	2.05
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	20	2.05
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	18	2.05
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	5	2.05
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	7	2.05
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	14	2.05
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	12	2.05
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	16	2.05
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	18	2.05
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	20	2.05
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	7	2.04
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	15	2.04
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	8	2.04
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	16	2.04
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	12	2.04
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	18	2.04
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	19	2.04
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	5	2.04
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	3	2.04
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	17	2.04
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	1	2.03
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	5	2.03
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	1	2.03
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	4	2.03
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	11	2.02
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	8	2.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	19	2.02
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	1	2.02
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	2	2.02
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	1	2.02
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	5	2.02
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	3	2.01
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	12	2.01
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	3	2.01
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	12	2.01
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	6	2.01
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	10	2.01
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	18	2.0
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	13	2.0
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	6	2.0
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	8	2.0
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	13	2.0
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	16	2.0
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	20	1.99
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	14	1.99
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	3	1.99
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	6	1.98
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	2	1.98
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	13	1.98
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	7	1.98
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	10	1.97
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	11	1.97
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1	1.97
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	2	1.97
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	7	1.97
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	8	1.97
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	7	1.97
(1,238)	1:68:B:VAL:C	1:69:B:LEU:N	1:69:B:LEU:CA	1:69:B:LEU:C	15	1.96
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	14	1.96
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	8	1.96
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	5	1.95
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	13	1.95
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	12	1.95
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	2	1.95
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	2	1.95
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	6	1.95
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	3	1.94
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	7	1.94
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	10	1.94
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	16	1.94
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	1	1.93
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	18	1.93
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	6	1.93
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	11	1.93
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	13	1.93
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	5	1.93
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	10	1.92

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	8	1.92
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	9	1.92
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	8	1.92
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	3	1.92
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	18	1.92
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	9	1.92
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	18	1.92
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	14	1.92
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	16	1.91
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	18	1.91
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	16	1.91
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	10	1.91
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	20	1.91
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	2	1.9
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	5	1.9
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	10	1.9
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	1	1.89
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	1	1.89
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	5	1.88
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	9	1.88
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	11	1.88
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	9	1.88
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	1	1.88
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	18	1.88
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	20	1.88
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	16	1.88
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	4	1.87
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	15	1.87
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	10	1.87
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	14	1.87
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	11	1.87
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	4	1.87
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	3	1.86
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	6	1.86
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	13	1.86
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	5	1.86
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	12	1.86
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	4	1.85
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	5	1.85
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	8	1.85
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	17	1.85
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	9	1.85
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	17	1.85
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	19	1.85
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	9	1.84
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	7	1.84
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	4	1.84
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	7	1.84
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	8	1.84
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	3	1.84
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	11	1.83

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	3	1.83
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	20	1.83
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	7	1.83
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	12	1.83
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	18	1.83
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	19	1.82
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	6	1.82
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	16	1.82
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	1	1.81
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	11	1.81
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	5	1.81
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	12	1.81
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	19	1.81
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	7	1.81
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	11	1.81
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	17	1.8
(1,259)	1:79:B:LEU:C	1:80:B:LEU:N	1:80:B:LEU:CA	1:80:B:LEU:C	2	1.8
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	5	1.8
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	16	1.8
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	19	1.8
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	7	1.8
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	15	1.8
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	17	1.8
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	14	1.8
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	9	1.8
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	13	1.79
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	15	1.79
(1,179)	1:25:B:LEU:C	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	16	1.79
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	3	1.79
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	18	1.79
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	16	1.79
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	8	1.78
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	5	1.78
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	9	1.78
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	17	1.77
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	12	1.77
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	13	1.77
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	18	1.77
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	20	1.77
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	7	1.77
(1,131)	1:97:A:SER:N	1:97:A:SER:CA	1:97:A:SER:C	1:98:A:ASN:N	13	1.77
(1,87)	1:67:A:GLU:C	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	19	1.77
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	5	1.76
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	15	1.76
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	14	1.76
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	12	1.76
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	10	1.76
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	8	1.76
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	13	1.75
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	3	1.75
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	15	1.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	14	1.75
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	2	1.75
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	9	1.75
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	8	1.75
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	3	1.75
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	7	1.75
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	6	1.74
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	19	1.74
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	3	1.74
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	14	1.74
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	11	1.74
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	20	1.74
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	5	1.74
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	16	1.74
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	19	1.74
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	9	1.74
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	15	1.74
(1,288)	1:101:B:SER:C	1:102:B:LYS:N	1:102:B:LYS:CA	1:102:B:LYS:C	3	1.73
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	8	1.73
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	7	1.73
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1	1.73
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	15	1.73
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	5	1.73
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	7	1.73
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	1	1.73
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	15	1.73
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	9	1.72
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	16	1.72
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	17	1.72
(1,110)	1:79:A:LEU:C	1:80:A:LEU:N	1:80:A:LEU:CA	1:80:A:LEU:C	4	1.72
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	11	1.72
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	6	1.72
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	20	1.71
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	15	1.71
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	2	1.71
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	6	1.71
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	13	1.71
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	19	1.71
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	13	1.71
(1,35)	1:28:A:ALA:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	6	1.71
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	20	1.7
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	6	1.7
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	13	1.7
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1	1.7
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	2	1.7
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	19	1.7
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	10	1.69
(1,253)	1:76:B:ALA:C	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	19	1.69
(1,236)	1:67:B:GLU:C	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	10	1.69
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	15	1.69
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	9	1.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	17	1.69
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	3	1.69
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	19	1.69
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	9	1.69
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	15	1.68
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	12	1.68
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	15	1.68
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	6	1.68
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	12	1.68
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	14	1.68
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	2	1.68
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	4	1.67
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	20	1.67
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	4	1.67
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	1	1.67
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	9	1.67
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	5	1.67
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	2	1.66
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	5	1.66
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	19	1.66
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	13	1.66
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	11	1.66
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	1	1.66
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	2	1.66
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	19	1.66
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	3	1.65
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	7	1.65
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	14	1.65
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	12	1.65
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	15	1.65
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	16	1.65
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	4	1.65
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	11	1.65
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	12	1.65
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	1	1.64
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	2	1.64
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	14	1.64
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	5	1.64
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	9	1.64
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	7	1.64
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	11	1.64
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	17	1.64
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	11	1.64
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	3	1.63
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	19	1.63
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	1	1.62
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	6	1.62
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	3	1.62
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	7	1.62
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	15	1.62
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	17	1.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	14	1.61
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	6	1.61
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	8	1.61
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	10	1.61
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	11	1.61
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	2	1.6
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	7	1.6
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	9	1.6
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	10	1.6
(1,147)	1:2:B:SER:C	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	15	1.6
(1,94)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:ALA:N	5	1.6
(1,94)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:ALA:N	13	1.6
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	10	1.6
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	1	1.6
(1,18)	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	1:20:A:ALA:N	17	1.6
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	20	1.59
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	17	1.59
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	20	1.59
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	9	1.59
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	16	1.59
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	4	1.59
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	9	1.59
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	20	1.58
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	20	1.58
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	15	1.58
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	8	1.58
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	17	1.57
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	13	1.57
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	17	1.57
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	1	1.57
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	6	1.57
(1,139)	1:101:A:SER:C	1:102:A:LYS:N	1:102:A:LYS:CA	1:102:A:LYS:C	4	1.57
(1,105)	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	1:78:A:GLN:N	16	1.57
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	12	1.57
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	11	1.56
(1,243)	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	1:72:B:ALA:N	5	1.56
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	17	1.56
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	4	1.56
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	10	1.56
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	2	1.56
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	2	1.56
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	10	1.55
(1,257)	1:78:B:GLN:C	1:79:B:LEU:N	1:79:B:LEU:CA	1:79:B:LEU:C	12	1.55
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	18	1.55
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	12	1.55
(1,199)	1:41:B:ASN:N	1:41:B:ASN:CA	1:41:B:ASN:C	1:42:B:ALA:N	7	1.55
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	18	1.55
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	3	1.55
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	17	1.55
(1,105)	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	1:78:A:GLN:N	14	1.55
(1,101)	1:74:A:THR:C	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	16	1.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	13	1.55
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	15	1.54
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	17	1.54
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	4	1.54
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	10	1.53
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	9	1.53
(1,230)	1:64:B:ALA:N	1:64:B:ALA:CA	1:64:B:ALA:C	1:65:B:LYS:N	17	1.53
(1,118)	1:90:A:THR:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	2	1.53
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	18	1.53
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	10	1.52
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	3	1.52
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	11	1.52
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	8	1.52
(1,137)	1:100:A:VAL:C	1:101:A:SER:N	1:101:A:SER:CA	1:101:A:SER:C	17	1.52
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	18	1.52
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	9	1.51
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	4	1.51
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1	1.51
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	14	1.51
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	14	1.51
(1,81)	1:64:A:ALA:N	1:64:A:ALA:CA	1:64:A:ALA:C	1:65:A:LYS:N	15	1.51
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	3	1.5
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	5	1.5
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	20	1.5
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	4	1.5
(1,166)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ALA:N	13	1.5
(1,104)	1:76:A:ALA:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	12	1.5
(1,99)	1:73:A:LEU:C	1:74:A:THR:N	1:74:A:THR:CA	1:74:A:THR:C	2	1.5
(1,35)	1:28:A:ALA:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	5	1.5
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	15	1.5
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	12	1.5
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	16	1.49
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	7	1.49
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	10	1.49
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	18	1.49
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	18	1.49
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	11	1.49
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	8	1.48
(1,282)	1:98:B:ASN:C	1:99:B:SER:N	1:99:B:SER:CA	1:99:B:SER:C	9	1.48
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	4	1.48
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	11	1.48
(1,162)	1:17:B:GLN:N	1:17:B:GLN:CA	1:17:B:GLN:C	1:18:B:ALA:N	17	1.48
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	5	1.48
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	16	1.48
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	7	1.48
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	18	1.48
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	1	1.48
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	15	1.47
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	2	1.47
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	11	1.47
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	17	1.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,233)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLU:N	20	1.47
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	10	1.47
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	2	1.47
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	14	1.47
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	3	1.47
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	18	1.47
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	3	1.47
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1	1.47
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	17	1.47
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	2	1.47
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	7	1.46
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	15	1.46
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	4	1.46
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	15	1.46
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	10	1.46
(1,84)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLU:N	7	1.46
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	17	1.46
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	13	1.45
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	20	1.45
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	8	1.45
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	4	1.45
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	16	1.45
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	10	1.45
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	20	1.45
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	10	1.44
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	6	1.44
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	8	1.44
(1,166)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ALA:N	4	1.44
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	5	1.44
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	10	1.44
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	11	1.44
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	1	1.44
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	15	1.44
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	10	1.44
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	3	1.44
(1,242)	1:70:B:LEU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	1	1.43
(1,199)	1:41:B:ASN:N	1:41:B:ASN:CA	1:41:B:ASN:C	1:42:B:ALA:N	19	1.43
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	12	1.43
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	11	1.43
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	10	1.43
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	8	1.43
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	3	1.43
(1,18)	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	1:20:A:ALA:N	8	1.43
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	5	1.43
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	17	1.42
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	14	1.42
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	10	1.42
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	20	1.42
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	1	1.42
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	15	1.42
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	18	1.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	7	1.42
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	16	1.42
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	7	1.42
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	3	1.42
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	19	1.41
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	15	1.41
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	8	1.4
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	16	1.4
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	14	1.4
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	13	1.4
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	6	1.4
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	19	1.4
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	11	1.4
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	15	1.4
(1,133)	1:98:A:ASN:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	19	1.4
(1,31)	1:25:A:LEU:C	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	20	1.4
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	9	1.4
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	14	1.39
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	16	1.39
(1,250)	1:74:B:THR:C	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	9	1.39
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	19	1.39
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	11	1.39
(1,47)	1:39:A:ASP:N	1:39:A:ASP:CA	1:39:A:ASP:C	1:40:A:VAL:N	16	1.39
(1,17)	1:18:A:ALA:C	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	7	1.39
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	9	1.38
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	7	1.38
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	4	1.38
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	7	1.38
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	10	1.38
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	6	1.38
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	10	1.38
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	15	1.38
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	19	1.37
(1,238)	1:68:B:VAL:C	1:69:B:LEU:N	1:69:B:LEU:CA	1:69:B:LEU:C	18	1.37
(1,228)	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	1:64:B:ALA:N	19	1.37
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	5	1.37
(1,101)	1:74:A:THR:C	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	10	1.37
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	2	1.37
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	17	1.37
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	8	1.37
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	18	1.37
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	7	1.36
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	9	1.36
(1,146)	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	1:107:A:ALA:N	16	1.36
(1,142)	1:103:A:ALA:N	1:103:A:ALA:CA	1:103:A:ALA:C	1:104:A:VAL:N	8	1.36
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	12	1.36
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	6	1.35
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	16	1.35
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	12	1.35
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	2	1.35
(1,172)	1:22:B:ILE:N	1:22:B:ILE:CA	1:22:B:ILE:C	1:23:B:ASN:N	12	1.35

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,136)	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	1:101:A:SER:N	14	1.35
(1,88)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:LEU:N	19	1.35
(1,52)	1:41:A:ASN:C	1:42:A:ALA:N	1:42:A:ALA:CA	1:42:A:ALA:C	19	1.35
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	12	1.34
(1,237)	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	1:69:B:LEU:N	14	1.34
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	4	1.34
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	19	1.34
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	20	1.34
(1,166)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ALA:N	3	1.34
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	5	1.34
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	12	1.34
(1,108)	1:78:A:GLN:C	1:79:A:LEU:N	1:79:A:LEU:CA	1:79:A:LEU:C	11	1.34
(1,101)	1:74:A:THR:C	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	17	1.34
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	1	1.34
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	13	1.34
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	12	1.33
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	13	1.33
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	17	1.33
(1,195)	1:39:B:ASP:N	1:39:B:ASP:CA	1:39:B:ASP:C	1:40:B:VAL:N	12	1.33
(1,101)	1:74:A:THR:C	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	20	1.33
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	4	1.33
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	17	1.33
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	7	1.33
(1,243)	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	1:72:B:ALA:N	1	1.32
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	14	1.32
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	16	1.32
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	7	1.32
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	14	1.32
(1,165)	1:18:B:ALA:C	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	8	1.32
(1,95)	1:71:A:GLU:C	1:72:A:ALA:N	1:72:A:ALA:CA	1:72:A:ALA:C	17	1.32
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	14	1.32
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	18	1.31
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	2	1.31
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	2	1.31
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	13	1.31
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	12	1.31
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	19	1.31
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	20	1.31
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	3	1.31
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	8	1.31
(1,41)	1:34:A:GLY:C	1:35:A:ARG:N	1:35:A:ARG:CA	1:35:A:ARG:C	16	1.31
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	4	1.31
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	9	1.31
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	4	1.3
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	9	1.3
(1,199)	1:41:B:ASN:N	1:41:B:ASN:CA	1:41:B:ASN:C	1:42:B:ALA:N	9	1.3
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	5	1.3
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	14	1.3
(1,43)	1:35:A:ARG:C	1:36:A:ASN:N	1:36:A:ASN:CA	1:36:A:ASN:C	15	1.3
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	3	1.3
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	3	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	17	1.29
(1,242)	1:70:B:LEU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	10	1.29
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	3	1.29
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	18	1.29
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	9	1.29
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	14	1.29
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	15	1.29
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	19	1.29
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	14	1.29
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	1	1.29
(1,18)	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	1:20:A:ALA:N	7	1.29
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	17	1.29
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	1	1.28
(1,238)	1:68:B:VAL:C	1:69:B:LEU:N	1:69:B:LEU:CA	1:69:B:LEU:C	7	1.28
(1,211)	1:47:B:LEU:N	1:47:B:LEU:CA	1:47:B:LEU:C	1:48:B:ARG:N	11	1.28
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	9	1.28
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	8	1.28
(1,105)	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	1:78:A:GLN:N	13	1.28
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	18	1.28
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1	1.28
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	18	1.28
(1,284)	1:99:B:SER:C	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	14	1.27
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	6	1.27
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	10	1.27
(1,238)	1:68:B:VAL:C	1:69:B:LEU:N	1:69:B:LEU:CA	1:69:B:LEU:C	16	1.27
(1,237)	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	1:69:B:LEU:N	6	1.27
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	17	1.27
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	6	1.27
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	13	1.27
(1,159)	1:13:B:LEU:C	1:14:B:ARG:N	1:14:B:ARG:CA	1:14:B:ARG:C	18	1.27
(1,127)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:THR:N	15	1.27
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	8	1.27
(1,47)	1:39:A:ASP:N	1:39:A:ASP:CA	1:39:A:ASP:C	1:40:A:VAL:N	5	1.27
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	13	1.27
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	20	1.27
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	19	1.27
(1,294)	1:106:B:GLN:N	1:106:B:GLN:CA	1:106:B:GLN:C	1:107:B:ALA:N	8	1.26
(1,291)	1:103:B:ALA:N	1:103:B:ALA:CA	1:103:B:ALA:C	1:104:B:VAL:N	14	1.26
(1,284)	1:99:B:SER:C	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	2	1.26
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	14	1.26
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	20	1.26
(1,189)	1:34:B:GLY:C	1:35:B:ARG:N	1:35:B:ARG:CA	1:35:B:ARG:C	9	1.26
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	17	1.26
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	19	1.26
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	1	1.26
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	19	1.26
(1,108)	1:78:A:GLN:C	1:79:A:LEU:N	1:79:A:LEU:CA	1:79:A:LEU:C	1	1.26
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	14	1.26
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	14	1.26
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	13	1.26
(1,286)	1:100:B:VAL:C	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	9	1.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	5	1.25
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	5	1.25
(1,166)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ALA:N	19	1.25
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	13	1.25
(1,101)	1:74:A:THR:C	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	19	1.25
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	3	1.25
(1,57)	1:44:A:THR:C	1:45:A:SER:N	1:45:A:SER:CA	1:45:A:SER:C	8	1.25
(1,57)	1:44:A:THR:C	1:45:A:SER:N	1:45:A:SER:CA	1:45:A:SER:C	10	1.25
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	1	1.25
(1,25)	1:22:A:ILE:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	11	1.25
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	5	1.24
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	14	1.24
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	3	1.24
(1,199)	1:41:B:ASN:N	1:41:B:ASN:CA	1:41:B:ASN:C	1:42:B:ALA:N	4	1.24
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	15	1.24
(1,147)	1:2:B:SER:C	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	13	1.24
(1,138)	1:101:A:SER:N	1:101:A:SER:CA	1:101:A:SER:C	1:102:A:LYS:N	9	1.24
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	10	1.24
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	10	1.24
(1,88)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:LEU:N	11	1.24
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	4	1.24
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	17	1.23
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	13	1.23
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	11	1.23
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	11	1.23
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	4	1.23
(1,173)	1:22:B:ILE:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	12	1.23
(1,153)	1:6:B:VAL:N	1:6:B:VAL:CA	1:6:B:VAL:C	1:7:B:LEU:N	10	1.23
(1,135)	1:99:A:SER:C	1:100:A:VAL:N	1:100:A:VAL:CA	1:100:A:VAL:C	5	1.23
(1,93)	1:70:A:LEU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	9	1.23
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	10	1.23
(1,250)	1:74:B:THR:C	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	3	1.22
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	8	1.22
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	1	1.22
(1,93)	1:70:A:LEU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	14	1.22
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	18	1.22
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	9	1.22
(1,280)	1:97:B:SER:N	1:97:B:SER:CA	1:97:B:SER:C	1:98:B:ASN:N	18	1.21
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	17	1.21
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	10	1.21
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	13	1.21
(1,106)	1:77:A:LEU:C	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	4	1.21
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	14	1.21
(1,94)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:ALA:N	6	1.21
(1,285)	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	1:101:B:SER:N	17	1.2
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	20	1.2
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	17	1.2
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	8	1.2
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	16	1.2
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	1	1.2
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	2	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,91)	1:69:A:LEU:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	3	1.2
(1,88)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:LEU:N	20	1.2
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	18	1.2
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	19	1.2
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	2	1.2
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	6	1.2
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	1	1.19
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	13	1.19
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	9	1.19
(1,166)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ALA:N	2	1.19
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	1	1.19
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	11	1.19
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	14	1.19
(1,93)	1:70:A:LEU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	11	1.19
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	18	1.19
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	16	1.19
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	7	1.18
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	12	1.18
(1,243)	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	1:72:B:ALA:N	11	1.18
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	10	1.18
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	14	1.18
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	9	1.18
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	18	1.18
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	12	1.18
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	4	1.17
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	8	1.17
(1,242)	1:70:B:LEU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	8	1.17
(1,242)	1:70:B:LEU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	14	1.17
(1,118)	1:90:A:THR:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	12	1.17
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	19	1.17
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	9	1.17
(1,57)	1:44:A:THR:C	1:45:A:SER:N	1:45:A:SER:CA	1:45:A:SER:C	13	1.17
(1,11)	1:13:A:LEU:C	1:14:A:ARG:N	1:14:A:ARG:CA	1:14:A:ARG:C	20	1.17
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	19	1.16
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	2	1.16
(1,195)	1:39:B:ASP:N	1:39:B:ASP:CA	1:39:B:ASP:C	1:40:B:VAL:N	14	1.16
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	15	1.16
(1,166)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ALA:N	18	1.16
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	20	1.16
(1,162)	1:17:B:GLN:N	1:17:B:GLN:CA	1:17:B:GLN:C	1:18:B:ALA:N	12	1.16
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	13	1.16
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	19	1.16
(1,83)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:VAL:N	16	1.16
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	19	1.16
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	1	1.15
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	16	1.15
(1,154)	1:6:B:VAL:C	1:7:B:LEU:N	1:7:B:LEU:CA	1:7:B:LEU:C	11	1.15
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	9	1.15
(1,129)	1:96:A:THR:N	1:96:A:THR:CA	1:96:A:THR:C	1:97:A:SER:N	2	1.15
(1,108)	1:78:A:GLN:C	1:79:A:LEU:N	1:79:A:LEU:CA	1:79:A:LEU:C	18	1.15
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	4	1.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,35)	1:28:A:ALA:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	16	1.15
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	7	1.15
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	14	1.14
(1,275)	1:94:B:GLY:C	1:95:B:LEU:N	1:95:B:LEU:CA	1:95:B:LEU:C	2	1.14
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	3	1.14
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	20	1.14
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	12	1.14
(1,278)	1:96:B:THR:N	1:96:B:THR:CA	1:96:B:THR:C	1:97:B:SER:N	18	1.13
(1,238)	1:68:B:VAL:C	1:69:B:LEU:N	1:69:B:LEU:CA	1:69:B:LEU:C	1	1.13
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	19	1.13
(1,94)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:ALA:N	19	1.13
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	15	1.13
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	16	1.13
(1,35)	1:28:A:ALA:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	8	1.13
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	11	1.13
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	9	1.13
(1,18)	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	1:20:A:ALA:N	19	1.13
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	18	1.12
(1,252)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:LEU:N	18	1.12
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	6	1.12
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	6	1.12
(1,95)	1:71:A:GLU:C	1:72:A:ALA:N	1:72:A:ALA:CA	1:72:A:ALA:C	8	1.12
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	11	1.12
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	16	1.12
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	1	1.12
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	4	1.12
(1,4)	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	1:6:A:VAL:N	12	1.12
(1,254)	1:77:B:LEU:N	1:77:B:LEU:CA	1:77:B:LEU:C	1:78:B:GLN:N	16	1.11
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	16	1.11
(1,237)	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	1:69:B:LEU:N	9	1.11
(1,214)	1:48:B:ARG:C	1:49:B:ALA:N	1:49:B:ALA:CA	1:49:B:ALA:C	1	1.11
(1,203)	1:43:B:PHE:N	1:43:B:PHE:CA	1:43:B:PHE:C	1:44:B:THR:N	12	1.11
(1,200)	1:41:B:ASN:C	1:42:B:ALA:N	1:42:B:ALA:CA	1:42:B:ALA:C	18	1.11
(1,162)	1:17:B:GLN:N	1:17:B:GLN:CA	1:17:B:GLN:C	1:18:B:ALA:N	14	1.11
(1,154)	1:6:B:VAL:C	1:7:B:LEU:N	1:7:B:LEU:CA	1:7:B:LEU:C	18	1.11
(1,151)	1:4:B:GLY:C	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	15	1.11
(1,147)	1:2:B:SER:C	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	14	1.11
(1,127)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:THR:N	10	1.11
(1,101)	1:74:A:THR:C	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	14	1.11
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	1	1.11
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	10	1.11
(1,287)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:C	1:102:B:LYS:N	2	1.1
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	2	1.1
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	5	1.1
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	7	1.1
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	7	1.1
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	20	1.1
(1,105)	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	1:78:A:GLN:N	1	1.1
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	3	1.1
(1,89)	1:68:A:VAL:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	12	1.1
(1,24)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:ASN:N	4	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,284)	1:99:B:SER:C	1:100:B:VAL:N	1:100:B:VAL:CA	1:100:B:VAL:C	16	1.09
(1,250)	1:74:B:THR:C	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	8	1.09
(1,240)	1:69:B:LEU:C	1:70:B:LEU:N	1:70:B:LEU:CA	1:70:B:LEU:C	20	1.09
(1,231)	1:64:B:ALA:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	6	1.09
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	3	1.09
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	9	1.09
(1,103)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:LEU:N	2	1.09
(1,94)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:ALA:N	14	1.09
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	3	1.09
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	7	1.09
(1,1)	1:2:A:SER:C	1:3:A:PHE:N	1:3:A:PHE:CA	1:3:A:PHE:C	8	1.09
(1,281)	1:98:B:ASN:N	1:98:B:ASN:CA	1:98:B:ASN:C	1:99:B:SER:N	15	1.08
(1,268)	1:91:B:THR:N	1:91:B:THR:CA	1:91:B:THR:C	1:92:B:SER:N	3	1.08
(1,227)	1:62:B:ASN:C	1:63:B:GLU:N	1:63:B:GLU:CA	1:63:B:GLU:C	20	1.08
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	12	1.08
(1,154)	1:6:B:VAL:C	1:7:B:LEU:N	1:7:B:LEU:CA	1:7:B:LEU:C	6	1.08
(1,143)	1:103:A:ALA:C	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	6	1.08
(1,126)	1:94:A:GLY:C	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	5	1.08
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	4	1.08
(1,57)	1:44:A:THR:C	1:45:A:SER:N	1:45:A:SER:CA	1:45:A:SER:C	5	1.08
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	18	1.08
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	6	1.08
(1,251)	1:75:B:ALA:N	1:75:B:ALA:CA	1:75:B:ALA:C	1:76:B:ALA:N	3	1.07
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	4	1.07
(1,223)	1:53:B:ASN:N	1:53:B:ASN:CA	1:53:B:ASN:C	1:54:B:LEU:N	9	1.07
(1,199)	1:41:B:ASN:N	1:41:B:ASN:CA	1:41:B:ASN:C	1:42:B:ALA:N	15	1.07
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	10	1.07
(1,178)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ALA:N	9	1.07
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	18	1.07
(1,166)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ALA:N	14	1.07
(1,159)	1:13:B:LEU:C	1:14:B:ARG:N	1:14:B:ARG:CA	1:14:B:ARG:C	12	1.07
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	4	1.07
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	15	1.07
(1,132)	1:98:A:ASN:N	1:98:A:ASN:CA	1:98:A:ASN:C	1:99:A:SER:N	12	1.07
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	4	1.07
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	6	1.07
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	6	1.07
(1,79)	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	1:64:A:ALA:N	8	1.07
(1,62)	1:47:A:LEU:N	1:47:A:LEU:CA	1:47:A:LEU:C	1:48:A:ARG:N	2	1.07
(1,59)	1:45:A:SER:C	1:46:A:GLY:N	1:46:A:GLY:CA	1:46:A:GLY:C	13	1.07
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	1	1.07
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	15	1.07
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	1	1.07
(1,16)	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	1:19:A:LYS:N	14	1.07
(1,268)	1:91:B:THR:N	1:91:B:THR:CA	1:91:B:THR:C	1:92:B:SER:N	18	1.06
(1,267)	1:90:B:THR:C	1:91:B:THR:N	1:91:B:THR:CA	1:91:B:THR:C	12	1.06
(1,145)	1:105:A:ALA:C	1:106:A:GLN:N	1:106:A:GLN:CA	1:106:A:GLN:C	3	1.06
(1,138)	1:101:A:SER:N	1:101:A:SER:CA	1:101:A:SER:C	1:102:A:LYS:N	1	1.06
(1,133)	1:98:A:ASN:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	4	1.06
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	2	1.06
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	14	1.06

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Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	3	1.06
(1,26)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ASN:N	5	1.06
(1,237)	1:68:B:VAL:N	1:68:B:VAL:CA	1:68:B:VAL:C	1:69:B:LEU:N	12	1.05
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	3	1.05
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	20	1.05
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	3	1.05
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	12	1.05
(1,147)	1:2:B:SER:C	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	8	1.05
(1,138)	1:101:A:SER:N	1:101:A:SER:CA	1:101:A:SER:C	1:102:A:LYS:N	18	1.05
(1,105)	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	1:78:A:GLN:N	2	1.05
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	1	1.05
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	3	1.05
(1,18)	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	1:20:A:ALA:N	16	1.05
(1,267)	1:90:B:THR:C	1:91:B:THR:N	1:91:B:THR:CA	1:91:B:THR:C	4	1.04
(1,242)	1:70:B:LEU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	2	1.04
(1,164)	1:18:B:ALA:N	1:18:B:ALA:CA	1:18:B:ALA:C	1:19:B:LYS:N	8	1.04
(1,152)	1:5:B:LEU:N	1:5:B:LEU:CA	1:5:B:LEU:C	1:6:B:VAL:N	6	1.04
(1,148)	1:3:B:PHE:N	1:3:B:PHE:CA	1:3:B:PHE:C	1:4:B:GLY:N	12	1.04
(1,101)	1:74:A:THR:C	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	9	1.04
(1,93)	1:70:A:LEU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	6	1.04
(1,82)	1:64:A:ALA:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	13	1.04
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	3	1.04
(1,32)	1:26:A:ALA:N	1:26:A:ALA:CA	1:26:A:ALA:C	1:27:A:SER:N	12	1.04
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	20	1.04
(1,248)	1:73:B:LEU:C	1:74:B:THR:N	1:74:B:THR:CA	1:74:B:THR:C	3	1.03
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	1	1.03
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	3	1.03
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	2	1.03
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	20	1.03
(1,149)	1:3:B:PHE:C	1:4:B:GLY:N	1:4:B:GLY:CA	1:4:B:GLY:C	10	1.03
(1,97)	1:72:A:ALA:C	1:73:A:LEU:N	1:73:A:LEU:CA	1:73:A:LEU:C	12	1.03
(1,29)	1:24:A:ASN:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	11	1.03
(1,18)	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	1:20:A:ALA:N	18	1.03
(1,14)	1:17:A:GLN:N	1:17:A:GLN:CA	1:17:A:GLN:C	1:18:A:ALA:N	13	1.03
(1,246)	1:72:B:ALA:C	1:73:B:LEU:N	1:73:B:LEU:CA	1:73:B:LEU:C	9	1.02
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	1	1.02
(1,232)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:VAL:N	16	1.02
(1,195)	1:39:B:ASP:N	1:39:B:ASP:CA	1:39:B:ASP:C	1:40:B:VAL:N	9	1.02
(1,191)	1:35:B:ARG:C	1:36:B:ASN:N	1:36:B:ASN:CA	1:36:B:ASN:C	11	1.02
(1,138)	1:101:A:SER:N	1:101:A:SER:CA	1:101:A:SER:C	1:102:A:LYS:N	7	1.02
(1,57)	1:44:A:THR:C	1:45:A:SER:N	1:45:A:SER:CA	1:45:A:SER:C	11	1.02
(1,18)	1:19:A:LYS:N	1:19:A:LYS:CA	1:19:A:LYS:C	1:20:A:ALA:N	4	1.02
(1,3)	1:4:A:GLY:C	1:5:A:LEU:N	1:5:A:LEU:CA	1:5:A:LEU:C	12	1.02
(1,282)	1:98:B:ASN:C	1:99:B:SER:N	1:99:B:SER:CA	1:99:B:SER:C	12	1.01
(1,242)	1:70:B:LEU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	5	1.01
(1,242)	1:70:B:LEU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	7	1.01
(1,177)	1:24:B:ASN:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	16	1.01
(1,88)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:LEU:N	1	1.01
(1,78)	1:62:A:ASN:C	1:63:A:GLU:N	1:63:A:GLU:CA	1:63:A:GLU:C	15	1.01
(1,57)	1:44:A:THR:C	1:45:A:SER:N	1:45:A:SER:CA	1:45:A:SER:C	3	1.01
(1,273)	1:93:B:ILE:C	1:94:B:GLY:N	1:94:B:GLY:CA	1:94:B:GLY:C	12	1.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,243)	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	1:72:B:ALA:N	4	1.0
(1,206)	1:44:B:THR:C	1:45:B:SER:N	1:45:B:SER:CA	1:45:B:SER:C	8	1.0
(1,180)	1:26:B:ALA:N	1:26:B:ALA:CA	1:26:B:ALA:C	1:27:B:SER:N	16	1.0
(1,174)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ASN:N	7	1.0
(1,118)	1:90:A:THR:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	10	1.0
(1,102)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:ALA:N	13	1.0
(1,88)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:LEU:N	18	1.0
(1,55)	1:43:A:PHE:N	1:43:A:PHE:CA	1:43:A:PHE:C	1:44:A:THR:N	10	1.0
(1,51)	1:41:A:ASN:N	1:41:A:ASN:CA	1:41:A:ASN:C	1:42:A:ALA:N	17	1.0
(1,30)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ALA:N	10	1.0