Full wwPDB NMR Structure Validation Report

Apr 15, 2026 – 12:14 PM UTC

PDB ID	:	2AVG / pdb_00002avg
BMRB ID	:	6015
Title	:	NMR structure of cC1 domain from Human Cardiac Myosin Binding Protein C
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Deposited on	:	2005-08-30

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 ⓘ 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 ⓘ) were used in the production of this report:

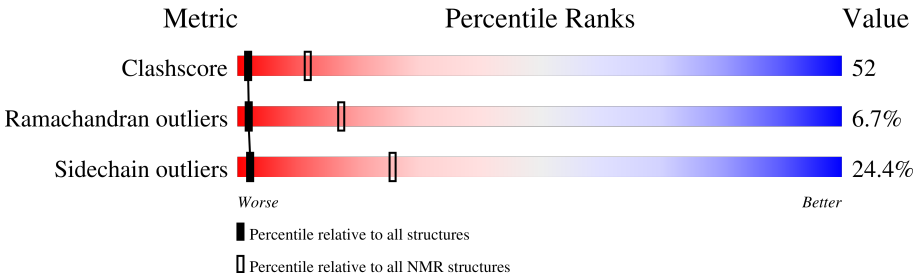
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (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 79%.

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	120	29% 41% 18% • • 8%

2 Ensemble composition and analysis

This entry contains 29 models. Model 1 is the overall representative, medoid model (most similar to other models).

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:2-A:108 (107)	0.54	1

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 2 clusters. No single-model clusters were found.

Cluster number	Models
1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 28, 29
2	23, 27

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1706 atoms, of which 845 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Myosin-binding protein C, cardiac-type.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	110	1706	550	845	146	161	4	0

There are 11 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-10	MET	-	expression tag	UNP Q14896
A	-9	HIS	-	expression tag	UNP Q14896
A	-8	HIS	-	expression tag	UNP Q14896
A	-7	HIS	-	expression tag	UNP Q14896
A	-6	HIS	-	expression tag	UNP Q14896
A	-5	HIS	-	expression tag	UNP Q14896
A	-4	HIS	-	expression tag	UNP Q14896
A	-3	SER	-	expression tag	UNP Q14896
A	-2	SER	-	expression tag	UNP Q14896
A	-1	MET	-	expression tag	UNP Q14896
A	86	GLY	SER	SEE REMARK 999	UNP Q14896

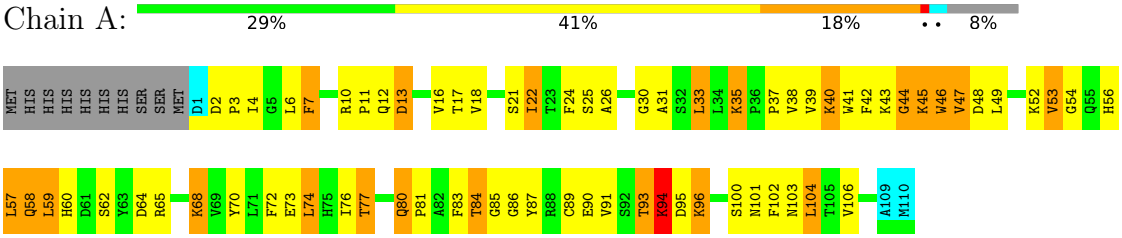
4 Residue-property plots

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: Myosin-binding protein C, cardiac-type

Chain A:



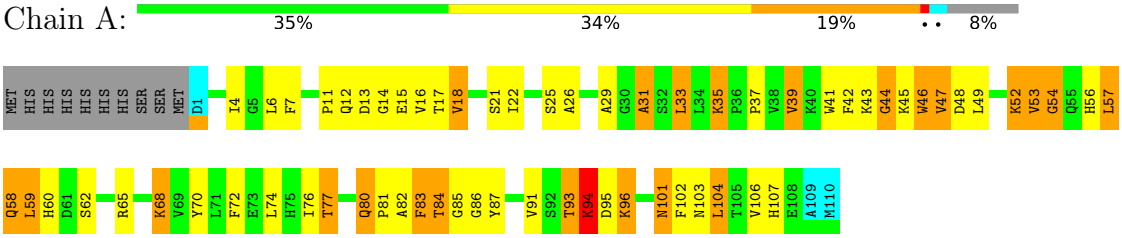
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1 (medoid)

• Molecule 1: Myosin-binding protein C, cardiac-type

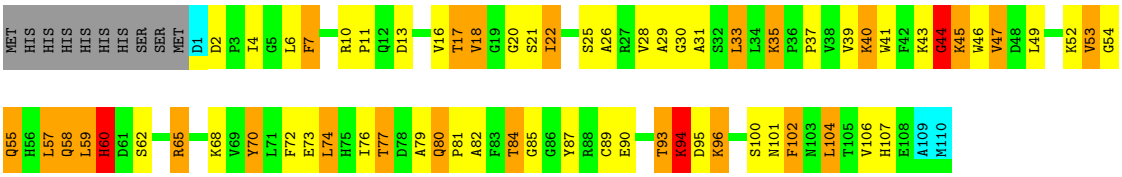
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: Myosin-binding protein C, cardiac-type

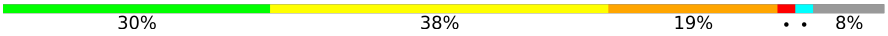
Chain A:

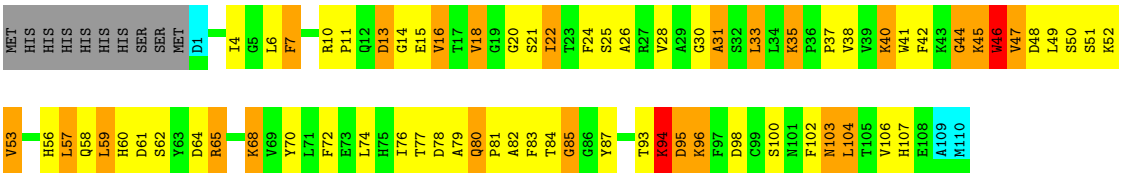


4.2.3 Score per residue for model 3

• Molecule 1: Myosin-binding protein C, cardiac-type

Chain A:

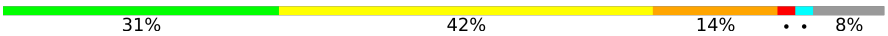


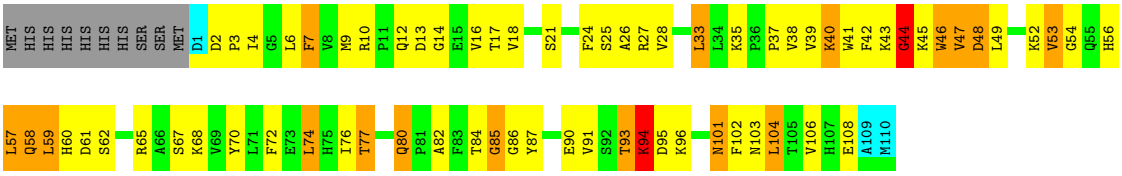


4.2.4 Score per residue for model 4

• Molecule 1: Myosin-binding protein C, cardiac-type

Chain A:

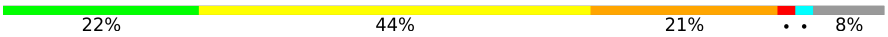


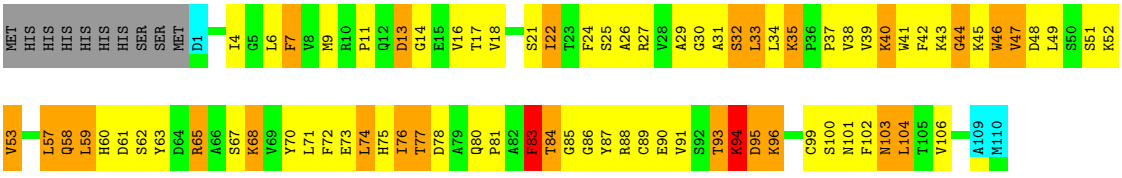


4.2.5 Score per residue for model 5

• Molecule 1: Myosin-binding protein C, cardiac-type

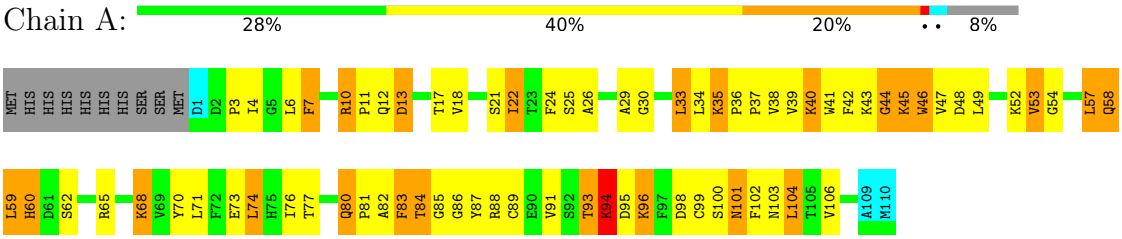
Chain A:





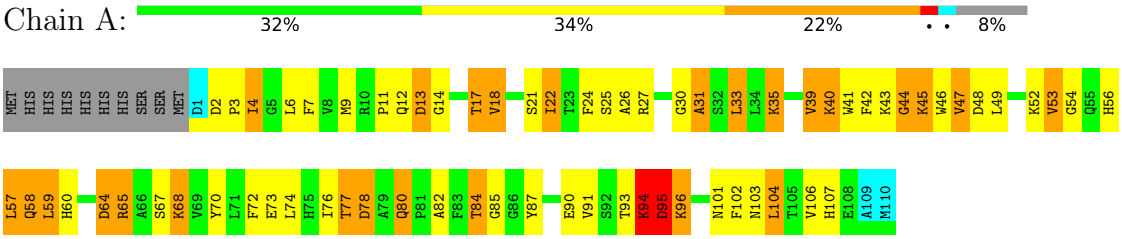
4.2.6 Score per residue for model 6

• Molecule 1: Myosin-binding protein C, cardiac-type



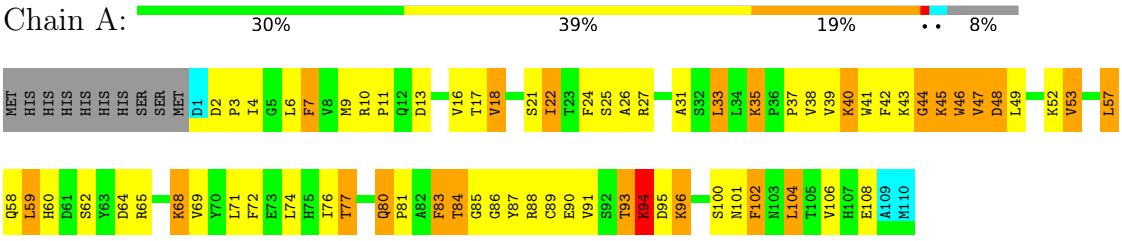
4.2.7 Score per residue for model 7

• Molecule 1: Myosin-binding protein C, cardiac-type



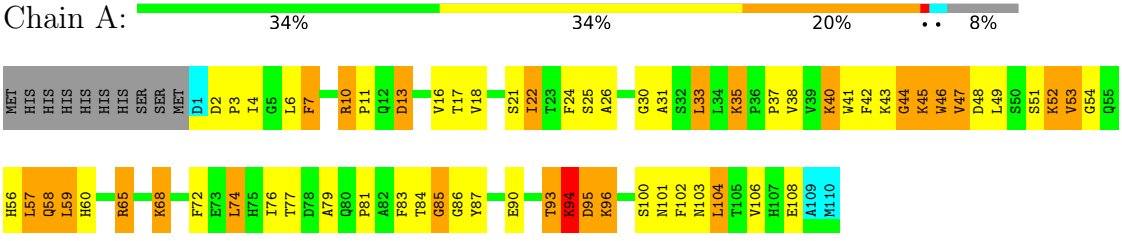
4.2.8 Score per residue for model 8

• Molecule 1: Myosin-binding protein C, cardiac-type



4.2.9 Score per residue for model 9

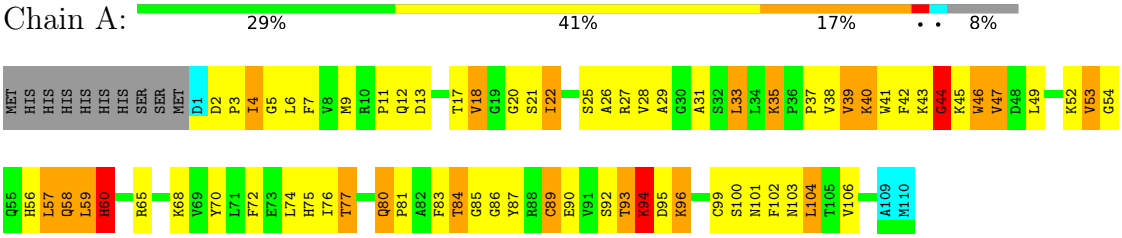
• Molecule 1: Myosin-binding protein C, cardiac-type



4.2.10 Score per residue for model 10

• Molecule 1: Myosin-binding protein C, cardiac-type

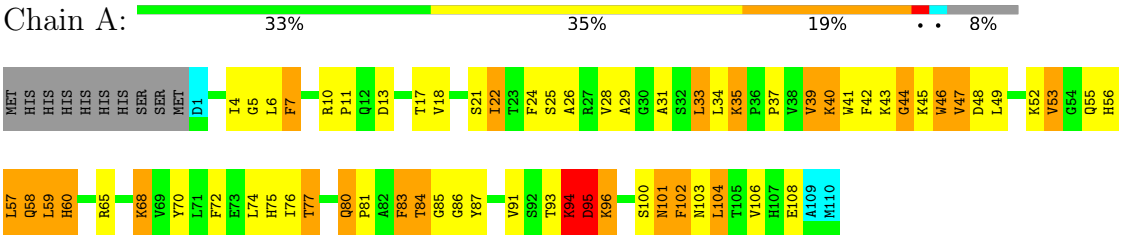
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Myosin-binding protein C, cardiac-type

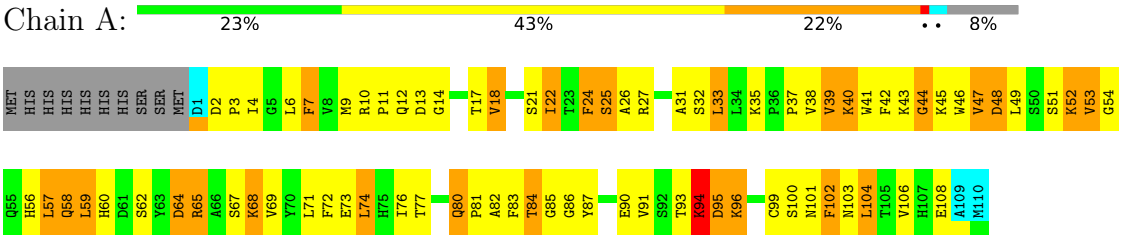
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Myosin-binding protein C, cardiac-type

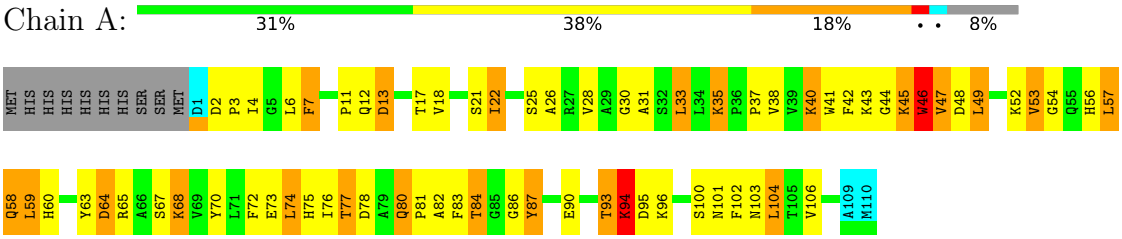
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Myosin-binding protein C, cardiac-type

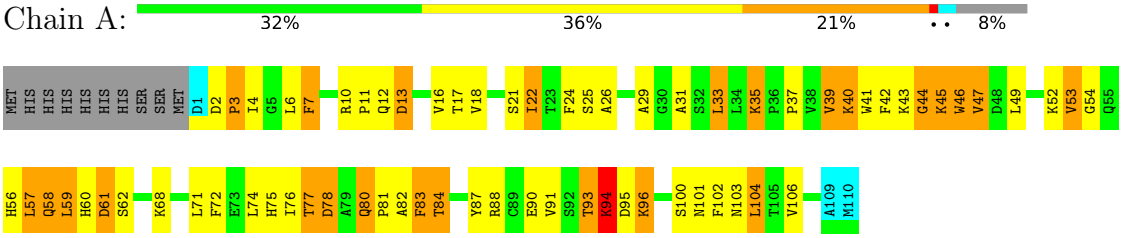
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Myosin-binding protein C, cardiac-type

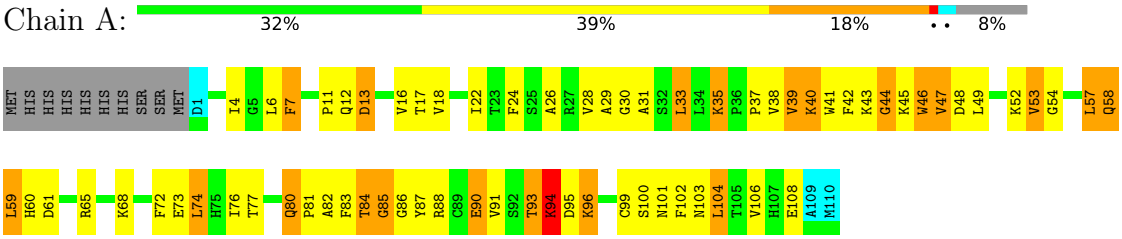
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Myosin-binding protein C, cardiac-type

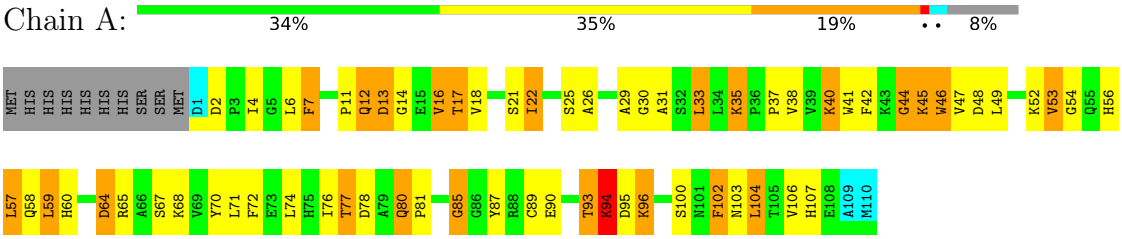
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Myosin-binding protein C, cardiac-type

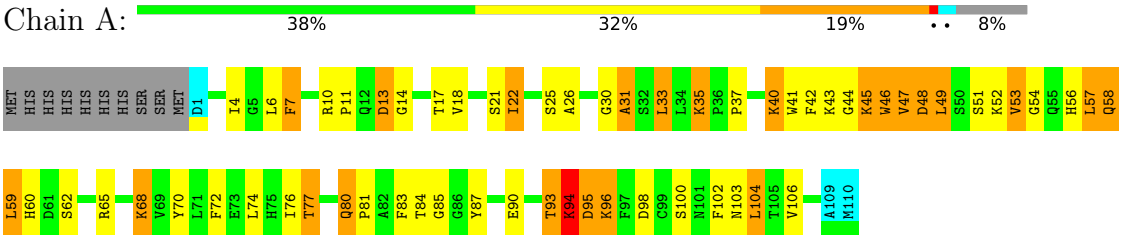
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Myosin-binding protein C, cardiac-type

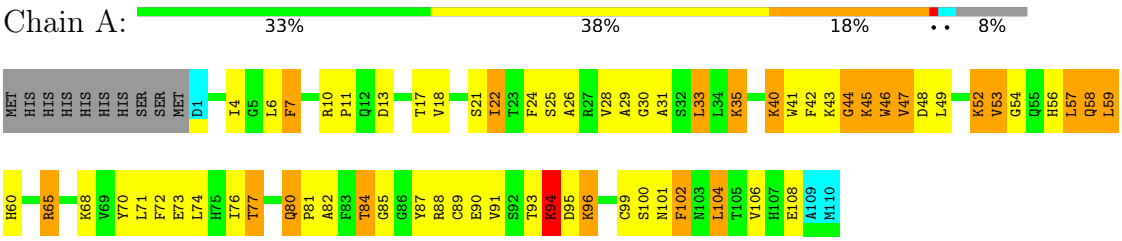
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Myosin-binding protein C, cardiac-type

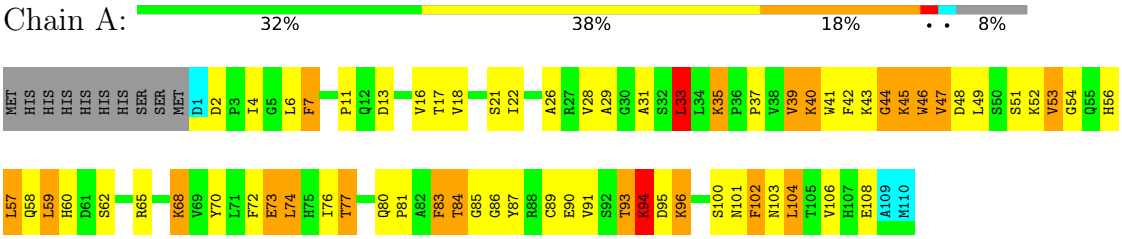
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Myosin-binding protein C, cardiac-type

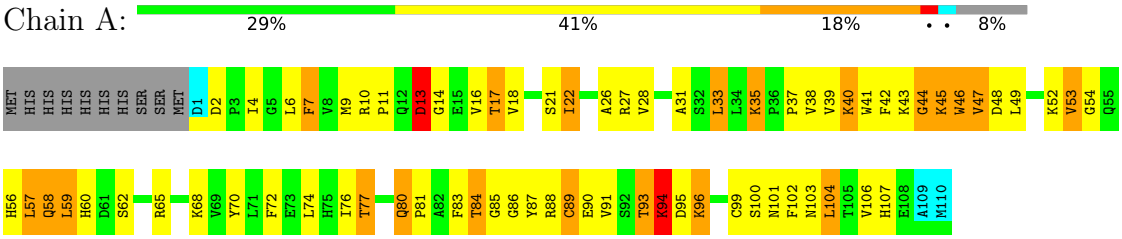
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Myosin-binding protein C, cardiac-type

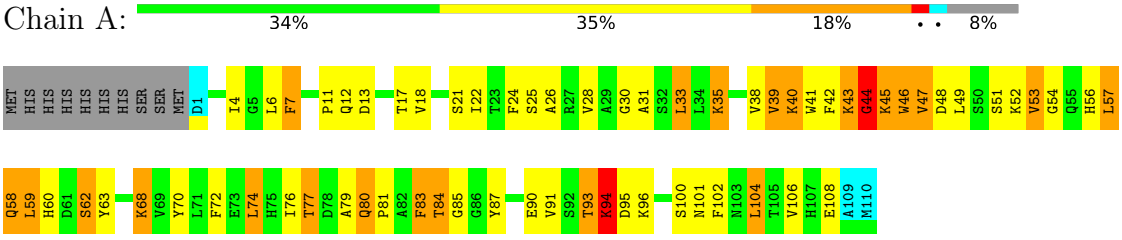
Chain A:



4.2.21 Score per residue for model 21

• Molecule 1: Myosin-binding protein C, cardiac-type

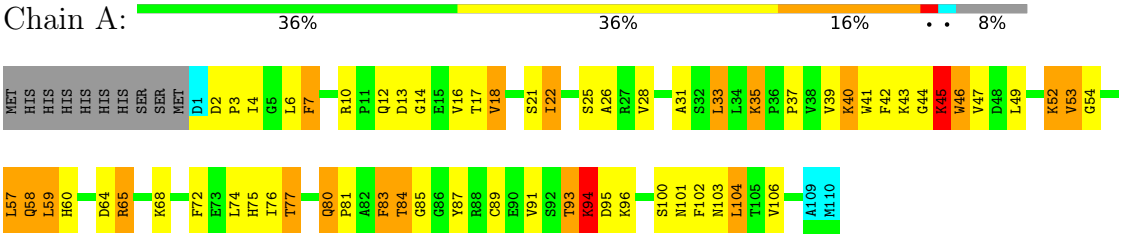
Chain A:



4.2.22 Score per residue for model 22

• Molecule 1: Myosin-binding protein C, cardiac-type

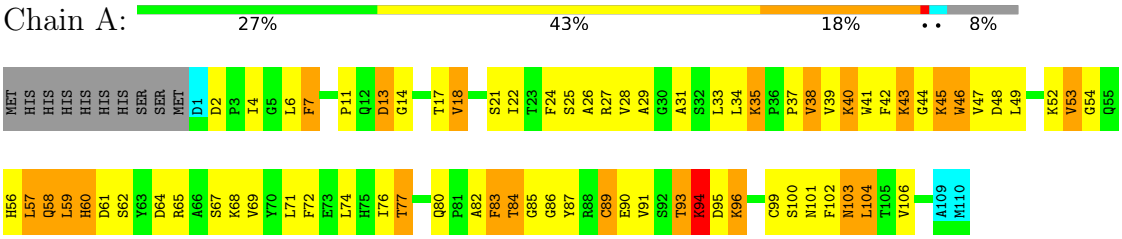
Chain A:



4.2.23 Score per residue for model 23

• Molecule 1: Myosin-binding protein C, cardiac-type

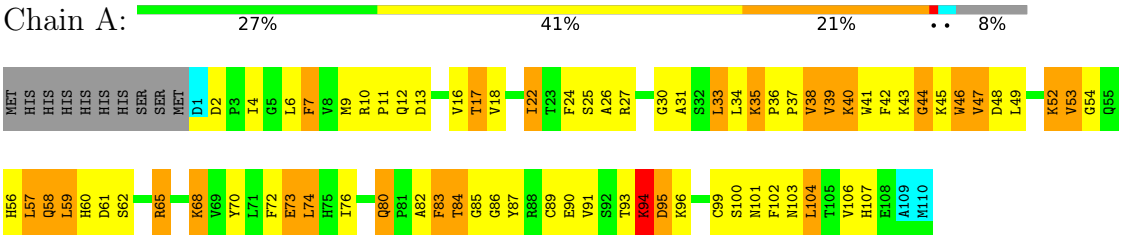
Chain A:



4.2.24 Score per residue for model 24

• Molecule 1: Myosin-binding protein C, cardiac-type

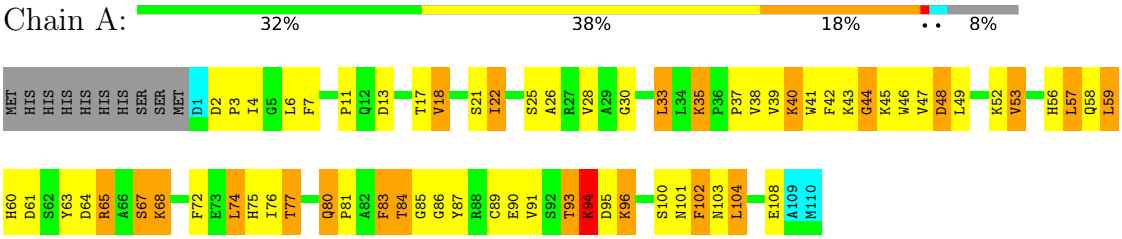
Chain A:



4.2.25 Score per residue for model 25

• Molecule 1: Myosin-binding protein C, cardiac-type

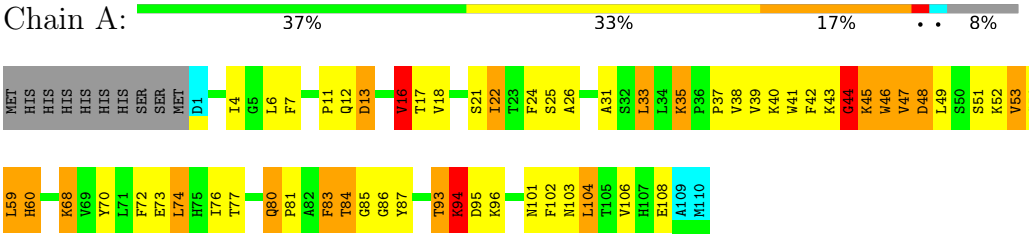
Chain A:



4.2.26 Score per residue for model 26

• Molecule 1: Myosin-binding protein C, cardiac-type

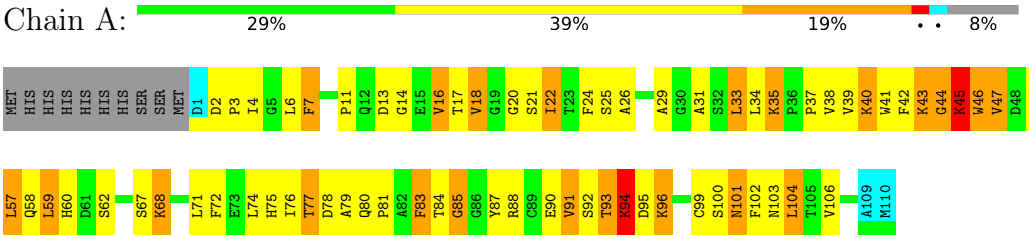
Chain A:



4.2.27 Score per residue for model 27

• Molecule 1: Myosin-binding protein C, cardiac-type

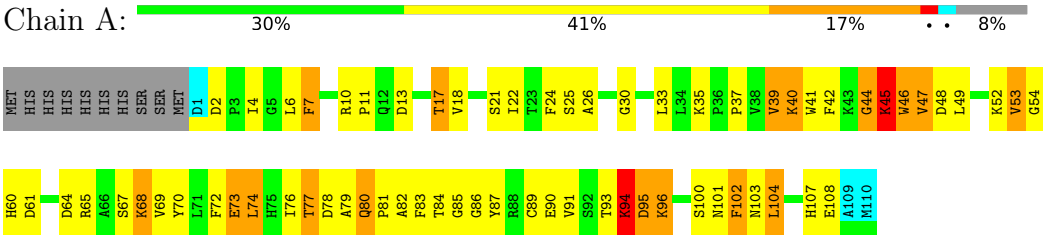
Chain A:



4.2.28 Score per residue for model 28

• Molecule 1: Myosin-binding protein C, cardiac-type

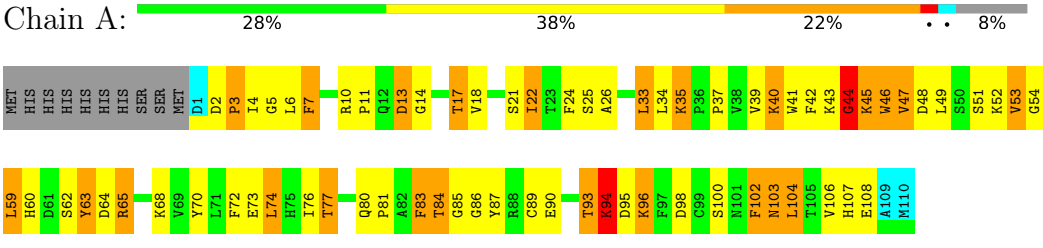
Chain A:



4.2.29 Score per residue for model 29

• Molecule 1: Myosin-binding protein C, cardiac-type

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 40 calculated structures, 29 were deposited, based on the following criterion: *no NOE violation > 0.5 A.*

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

Software name	Classification	Version
ARIA	structure solution	1.2
ARIA	refinement	1.2

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	1151
Number of shifts mapped to atoms	1151
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	79%

6 Model quality (i)

6.1 Standard geometry (i)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.23±0.04	3±1/862 (0.3± 0.2%)	0.99±0.03	1±1/1169 (0.0± 0.0%)
All	All	1.23	82/24998 (0.3%)	0.99	16/33901 (0.0%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.6±0.6
All	All	0	18

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	84	THR	CA-C	-7.25	1.43	1.52	14	1
1	A	84	THR	N-CA	-7.20	1.36	1.45	14	1
1	A	77	THR	N-CA	-6.29	1.38	1.45	28	23
1	A	84	THR	C-N	-6.27	1.24	1.33	14	1
1	A	47	VAL	N-CA	-6.04	1.38	1.46	12	1
1	A	22	ILE	C-N	-5.98	1.26	1.33	6	26
1	A	60	HIS	C-N	-5.97	1.26	1.33	2	6
1	A	52	LYS	CA-CB	-5.83	1.44	1.53	12	1
1	A	16	VAL	N-CA	-5.60	1.40	1.46	14	5
1	A	61	ASP	C-N	-5.49	1.25	1.33	14	1
1	A	84	THR	CA-CB	-5.44	1.45	1.53	14	1
1	A	18	VAL	C-N	-5.42	1.27	1.33	22	6
1	A	20	GLY	C-N	-5.34	1.27	1.33	2	4
1	A	22	ILE	N-CA	-5.10	1.40	1.46	25	1
1	A	76	ILE	C-N	-5.08	1.26	1.33	5	1
1	A	38	VAL	C-N	-5.08	1.27	1.33	13	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	83	PHE	CE2-CZ	-5.00	1.23	1.38	5	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	45	LYS	N-CA-C	-8.39	103.17	113.41	13	9
1	A	102	PHE	CA-CB-CG	6.62	120.42	113.80	29	1
1	A	67	SER	N-CA-C	-5.39	106.54	113.23	5	3
1	A	18	VAL	CB-CA-C	-5.36	105.51	111.35	3	3

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	44	GLY	Mainchain,Peptide	15
1	A	70	TYR	Sidechain	1
1	A	63	TYR	Sidechain	1
1	A	85	GLY	Peptide	1

6.2 Too-close contacts (i)

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	839	827	823	87±10
All	All	24331	23983	23867	2514

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 52.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:44:GLY:HA2	1:A:86:GLY:H	1.01	1.12	29	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:4:ILE:HB	1:A:96:LYS:HD3	0.99	1.27	4	3
1:A:94:LYS:HD3	1:A:95:ASP:H	0.99	1.18	4	23
1:A:33:LEU:HD22	1:A:93:THR:HA	0.99	1.34	23	3
1:A:41:TRP:HB3	1:A:49:LEU:HD13	0.96	1.33	27	28
1:A:6:LEU:HB2	1:A:96:LYS:HG2	0.96	1.35	13	1
1:A:6:LEU:HD22	1:A:96:LYS:HB3	0.95	1.38	13	25
1:A:43:LYS:HZ2	1:A:52:LYS:HB2	0.92	1.25	24	1
1:A:49:LEU:HD23	1:A:57:LEU:HD21	0.92	1.42	18	22
1:A:33:LEU:HD11	1:A:37:PRO:HD3	0.92	1.38	14	16
1:A:84:THR:HG21	1:A:106:VAL:N	0.91	1.80	14	1
1:A:6:LEU:HB2	1:A:96:LYS:HD3	0.91	1.43	15	5
1:A:33:LEU:HD13	1:A:94:LYS:H	0.90	1.27	11	2
1:A:45:LYS:HB3	1:A:46:TRP:CD1	0.90	2.02	22	7
1:A:44:GLY:HA2	1:A:85:GLY:HA2	0.88	1.46	24	10
1:A:43:LYS:HE2	1:A:49:LEU:HG	0.88	1.42	24	1
1:A:84:THR:HG22	1:A:104:LEU:HG	0.87	1.44	14	1
1:A:43:LYS:HB2	1:A:49:LEU:CD1	0.86	2.00	29	4
1:A:43:LYS:HB3	1:A:47:VAL:HG23	0.85	1.46	12	1
1:A:40:LYS:HD2	1:A:90:GLU:HB3	0.85	1.47	25	10
1:A:33:LEU:HD22	1:A:34:LEU:N	0.84	1.88	24	2
1:A:4:ILE:HB	1:A:96:LYS:HD2	0.84	1.48	26	5
1:A:4:ILE:HB	1:A:96:LYS:HG3	0.83	1.50	11	10
1:A:43:LYS:HD2	1:A:57:LEU:HD23	0.83	1.50	13	1
1:A:49:LEU:HD23	1:A:57:LEU:HD11	0.82	1.48	11	5
1:A:49:LEU:HD23	1:A:59:LEU:HB2	0.82	1.49	29	2
1:A:45:LYS:HG3	1:A:46:TRP:CD1	0.81	2.10	29	3
1:A:4:ILE:HB	1:A:96:LYS:CD	0.81	2.04	4	3
1:A:41:TRP:CH2	1:A:74:LEU:HD21	0.81	2.11	14	14
1:A:30:GLY:HA2	1:A:70:TYR:HE1	0.81	1.36	16	3
1:A:33:LEU:HD12	1:A:93:THR:HG21	0.80	1.52	16	14
1:A:57:LEU:HB2	1:A:76:ILE:HG12	0.80	1.53	27	5
1:A:18:VAL:HG21	1:A:81:PRO:HD3	0.79	1.54	25	2
1:A:84:THR:CG2	1:A:104:LEU:HG	0.79	2.07	14	1
1:A:94:LYS:HD3	1:A:95:ASP:N	0.79	1.92	3	3
1:A:85:GLY:HA3	1:A:104:LEU:H	0.79	1.37	29	5
1:A:48:ASP:O	1:A:52:LYS:HD2	0.78	1.79	12	2
1:A:59:LEU:HA	1:A:74:LEU:HD22	0.78	1.53	29	2
1:A:45:LYS:HE2	1:A:46:TRP:HE1	0.78	1.38	28	2
1:A:43:LYS:HB3	1:A:47:VAL:HB	0.78	1.53	2	13
1:A:43:LYS:HB2	1:A:49:LEU:HD12	0.77	1.56	29	2
1:A:80:GLN:O	1:A:83:PHE:HB2	0.76	1.81	26	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:33:LEU:HG	1:A:35:LYS:O	0.76	1.80	7	23
1:A:33:LEU:HD23	1:A:93:THR:HG22	0.76	1.55	24	2
1:A:33:LEU:HD13	1:A:94:LYS:N	0.76	1.96	11	2
1:A:40:LYS:HD2	1:A:90:GLU:HB2	0.76	1.57	16	8
1:A:45:LYS:HG2	1:A:83:PHE:HA	0.76	1.58	22	2
1:A:31:ALA:HA	1:A:68:LYS:HE3	0.75	1.56	23	4
1:A:84:THR:CG2	1:A:106:VAL:HG12	0.75	2.11	14	1
1:A:31:ALA:CA	1:A:68:LYS:HE3	0.75	2.10	23	4
1:A:33:LEU:HD12	1:A:34:LEU:H	0.75	1.41	23	4
1:A:30:GLY:HA2	1:A:70:TYR:CE2	0.75	2.17	2	6
1:A:74:LEU:HD12	1:A:76:ILE:HD11	0.75	1.59	13	5
1:A:4:ILE:HG12	1:A:94:LYS:HD3	0.75	1.57	27	2
1:A:7:PHE:CE2	1:A:100:SER:HB3	0.75	2.17	6	19
1:A:24:PHE:HB2	1:A:74:LEU:HB2	0.74	1.58	11	7
1:A:84:THR:HA	1:A:104:LEU:O	0.74	1.82	23	26
1:A:49:LEU:O	1:A:53:VAL:HG23	0.74	1.83	9	26
1:A:53:VAL:HG13	1:A:59:LEU:H	0.74	1.39	9	22
1:A:58:GLN:HG2	1:A:75:HIS:HB2	0.74	1.60	14	3
1:A:60:HIS:HB2	1:A:73:GLU:HG3	0.74	1.59	19	4
1:A:80:GLN:HE21	1:A:81:PRO:HD2	0.73	1.42	5	8
1:A:29:ALA:HB1	1:A:68:LYS:HE2	0.73	1.60	1	5
1:A:7:PHE:CZ	1:A:10:ARG:HD2	0.72	2.19	28	1
1:A:49:LEU:HD23	1:A:59:LEU:CB	0.72	2.14	29	1
1:A:47:VAL:HB	1:A:52:LYS:HE2	0.72	1.62	13	2
1:A:85:GLY:HA3	1:A:104:LEU:HB3	0.72	1.60	23	9
1:A:45:LYS:HB3	1:A:46:TRP:HD1	0.72	1.37	22	3
1:A:33:LEU:HD12	1:A:34:LEU:N	0.71	2.00	27	4
1:A:43:LYS:HB3	1:A:47:VAL:HG22	0.71	1.59	13	1
1:A:41:TRP:HZ3	1:A:102:PHE:HZ	0.71	1.25	16	17
1:A:41:TRP:CB	1:A:49:LEU:HD13	0.71	2.16	25	16
1:A:43:LYS:HG3	1:A:87:TYR:CE2	0.71	2.20	8	19
1:A:41:TRP:CZ3	1:A:102:PHE:HZ	0.71	2.03	16	12
1:A:43:LYS:HD2	1:A:87:TYR:CE2	0.71	2.20	15	2
1:A:44:GLY:CA	1:A:85:GLY:HA2	0.70	2.16	1	8
1:A:33:LEU:HD22	1:A:93:THR:HG22	0.70	1.63	11	1
1:A:45:LYS:HE3	1:A:46:TRP:HE1	0.70	1.46	13	1
1:A:41:TRP:CD1	1:A:59:LEU:HD11	0.70	2.22	3	28
1:A:85:GLY:O	1:A:103:ASN:HA	0.70	1.87	11	15
1:A:11:PRO:HG2	1:A:102:PHE:CZ	0.70	2.20	28	10
1:A:94:LYS:HE3	1:A:95:ASP:H	0.69	1.46	27	6
1:A:84:THR:HG22	1:A:104:LEU:CG	0.69	2.17	14	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:55:GLN:HE21	1:A:55:GLN:HA	0.69	1.46	2	1
1:A:11:PRO:HG2	1:A:102:PHE:CE1	0.69	2.22	14	16
1:A:33:LEU:HB2	1:A:93:THR:HG22	0.69	1.62	23	3
1:A:44:GLY:HA2	1:A:86:GLY:N	0.69	2.01	20	15
1:A:33:LEU:HB2	1:A:94:LYS:H	0.69	1.48	23	2
1:A:33:LEU:HB2	1:A:94:LYS:HG3	0.69	1.65	11	3
1:A:87:TYR:HB2	1:A:102:PHE:CE2	0.68	2.23	13	13
1:A:18:VAL:HG21	1:A:81:PRO:HB3	0.68	1.64	6	8
1:A:33:LEU:HD21	1:A:35:LYS:O	0.68	1.87	24	2
1:A:43:LYS:HZ3	1:A:43:LYS:HB3	0.68	1.47	23	1
1:A:42:PHE:HB3	1:A:88:ARG:HB2	0.68	1.64	5	4
1:A:57:LEU:HD22	1:A:76:ILE:CD1	0.68	2.19	24	6
1:A:87:TYR:HB2	1:A:102:PHE:CE1	0.68	2.23	23	1
1:A:30:GLY:HA3	1:A:68:LYS:NZ	0.68	2.03	9	1
1:A:24:PHE:HB3	1:A:102:PHE:CZ	0.68	2.24	29	1
1:A:45:LYS:HE3	1:A:46:TRP:NE1	0.68	2.04	13	1
1:A:64:ASP:HB3	1:A:67:SER:HB2	0.67	1.64	28	3
1:A:41:TRP:HZ3	1:A:102:PHE:CZ	0.67	2.07	16	8
1:A:25:SER:HB3	1:A:71:LEU:HD11	0.67	1.67	12	4
1:A:5:GLY:H	1:A:96:LYS:HE2	0.67	1.48	11	1
1:A:7:PHE:CZ	1:A:100:SER:HB3	0.67	2.24	28	17
1:A:4:ILE:HD11	1:A:94:LYS:HE2	0.67	1.65	3	2
1:A:85:GLY:HA3	1:A:104:LEU:N	0.66	2.05	4	4
1:A:37:PRO:HD2	1:A:70:TYR:HE2	0.66	1.49	6	3
1:A:53:VAL:HA	1:A:57:LEU:O	0.66	1.90	10	23
1:A:33:LEU:HD22	1:A:34:LEU:H	0.66	1.48	6	2
1:A:49:LEU:HB3	1:A:59:LEU:HD12	0.66	1.66	13	4
1:A:87:TYR:HB2	1:A:102:PHE:CB	0.66	2.21	29	1
1:A:42:PHE:O	1:A:87:TYR:HA	0.66	1.91	17	25
1:A:2:ASP:HB3	1:A:94:LYS:NZ	0.66	2.06	12	7
1:A:57:LEU:CB	1:A:76:ILE:HG12	0.66	2.20	27	5
1:A:49:LEU:HD23	1:A:59:LEU:CG	0.66	2.21	29	1
1:A:49:LEU:HB3	1:A:53:VAL:CG2	0.65	2.21	29	11
1:A:11:PRO:HG3	1:A:26:ALA:HB2	0.65	1.67	14	9
1:A:33:LEU:CB	1:A:93:THR:HG22	0.65	2.21	27	3
1:A:57:LEU:HA	1:A:75:HIS:O	0.65	1.91	22	5
1:A:40:LYS:HE2	1:A:90:GLU:HB2	0.65	1.69	7	3
1:A:49:LEU:HG	1:A:57:LEU:HD11	0.65	1.67	29	3
1:A:2:ASP:HB2	1:A:94:LYS:HZ3	0.65	1.51	19	2
1:A:49:LEU:HD21	1:A:57:LEU:HD21	0.65	1.68	13	1
1:A:7:PHE:CE2	1:A:100:SER:HB2	0.65	2.27	5	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:51:SER:HB3	1:A:52:LYS:HD2	0.65	1.69	3	3
1:A:31:ALA:H	1:A:68:LYS:HG2	0.65	1.52	10	6
1:A:64:ASP:HB3	1:A:67:SER:HB3	0.65	1.67	25	1
1:A:29:ALA:HA	1:A:68:LYS:O	0.64	1.91	11	9
1:A:7:PHE:CD2	1:A:10:ARG:HG2	0.64	2.28	24	5
1:A:33:LEU:C	1:A:33:LEU:HD13	0.64	2.16	24	2
1:A:89:CYS:HB2	1:A:102:PHE:CZ	0.64	2.28	18	3
1:A:60:HIS:O	1:A:72:PHE:HA	0.64	1.93	17	28
1:A:48:ASP:O	1:A:52:LYS:HG2	0.64	1.92	26	13
1:A:44:GLY:CA	1:A:86:GLY:H	0.64	2.04	20	5
1:A:80:GLN:HG3	1:A:82:ALA:H	0.64	1.51	12	11
1:A:9:MET:CG	1:A:27:ARG:HD2	0.64	2.23	24	3
1:A:9:MET:HG3	1:A:27:ARG:HD2	0.64	1.69	24	2
1:A:18:VAL:HG22	1:A:106:VAL:HG22	0.64	1.70	22	19
1:A:89:CYS:HB2	1:A:102:PHE:HZ	0.64	1.51	18	3
1:A:43:LYS:CB	1:A:47:VAL:HG23	0.64	2.21	12	1
1:A:87:TYR:HB2	1:A:102:PHE:HB2	0.64	1.69	29	1
1:A:31:ALA:HB3	1:A:33:LEU:HD13	0.63	1.69	10	5
1:A:41:TRP:CG	1:A:59:LEU:HD11	0.63	2.28	3	11
1:A:24:PHE:HD1	1:A:102:PHE:CE1	0.63	2.11	29	1
1:A:79:ALA:HB1	1:A:104:LEU:HD21	0.63	1.71	3	2
1:A:45:LYS:HG3	1:A:46:TRP:NE1	0.63	2.09	14	3
1:A:22:ILE:HG23	1:A:76:ILE:HB	0.63	1.71	13	7
1:A:81:PRO:HB3	1:A:108:GLU:HB2	0.62	1.69	21	2
1:A:43:LYS:HD2	1:A:57:LEU:CD2	0.62	2.22	13	1
1:A:48:ASP:OD2	1:A:51:SER:HB2	0.62	1.94	12	4
1:A:56:HIS:O	1:A:76:ILE:HA	0.62	1.94	26	22
1:A:4:ILE:HD13	1:A:96:LYS:HG3	0.62	1.72	19	2
1:A:43:LYS:HE2	1:A:83:PHE:CE1	0.62	2.29	21	1
1:A:94:LYS:CD	1:A:95:ASP:H	0.62	2.02	4	21
1:A:33:LEU:HD22	1:A:93:THR:CG2	0.62	2.24	11	1
1:A:49:LEU:CD2	1:A:57:LEU:HD11	0.62	2.25	13	6
1:A:43:LYS:HE2	1:A:83:PHE:CZ	0.62	2.30	11	2
1:A:85:GLY:CA	1:A:104:LEU:H	0.62	2.08	29	6
1:A:43:LYS:HD3	1:A:47:VAL:HB	0.62	1.72	26	1
1:A:35:LYS:O	1:A:35:LYS:HD3	0.61	1.95	24	4
1:A:7:PHE:CE2	1:A:10:ARG:HB3	0.61	2.30	6	9
1:A:74:LEU:CD1	1:A:76:ILE:HD11	0.61	2.26	26	4
1:A:2:ASP:HB3	1:A:94:LYS:HZ3	0.61	1.55	16	3
1:A:7:PHE:HE2	1:A:100:SER:HB2	0.61	1.56	5	2
1:A:11:PRO:HB2	1:A:102:PHE:CZ	0.61	2.31	29	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:62:SER:HB2	1:A:71:LEU:HB3	0.61	1.73	6	5
1:A:33:LEU:HD21	1:A:35:LYS:HD2	0.61	1.71	5	2
1:A:80:GLN:O	1:A:106:VAL:HG11	0.61	1.96	8	19
1:A:74:LEU:HB3	1:A:76:ILE:HG13	0.61	1.71	18	15
1:A:60:HIS:HB3	1:A:73:GLU:HG3	0.60	1.73	2	3
1:A:94:LYS:HE3	1:A:95:ASP:HB3	0.60	1.73	14	3
1:A:84:THR:HG23	1:A:106:VAL:HG12	0.60	1.74	14	1
1:A:94:LYS:HE3	1:A:95:ASP:N	0.60	2.11	28	17
1:A:94:LYS:HE3	1:A:95:ASP:CB	0.60	2.26	14	11
1:A:45:LYS:HE2	1:A:46:TRP:CD1	0.60	2.30	22	1
1:A:54:GLY:O	1:A:58:GLN:HG3	0.60	1.95	2	20
1:A:7:PHE:CE2	1:A:10:ARG:HG3	0.60	2.31	28	1
1:A:57:LEU:HG	1:A:76:ILE:CD1	0.60	2.26	19	3
1:A:45:LYS:HG3	1:A:82:ALA:O	0.60	1.97	13	2
1:A:33:LEU:HD22	1:A:93:THR:CA	0.60	2.21	23	3
1:A:57:LEU:HD12	1:A:57:LEU:C	0.60	2.22	13	5
1:A:46:TRP:CD1	1:A:47:VAL:HG12	0.60	2.31	13	1
1:A:43:LYS:HB3	1:A:47:VAL:CG2	0.60	2.27	13	1
1:A:57:LEU:C	1:A:57:LEU:HD22	0.60	2.21	22	22
1:A:48:ASP:O	1:A:52:LYS:HD3	0.60	1.97	29	1
1:A:31:ALA:H	1:A:68:LYS:CB	0.59	2.10	9	2
1:A:37:PRO:HA	1:A:93:THR:HG23	0.59	1.72	16	11
1:A:33:LEU:HD11	1:A:35:LYS:C	0.59	2.22	6	2
1:A:30:GLY:HA2	1:A:70:TYR:CE1	0.59	2.27	16	4
1:A:68:LYS:NZ	1:A:68:LYS:HA	0.59	2.12	7	2
1:A:45:LYS:HE2	1:A:46:TRP:NE1	0.59	2.11	28	2
1:A:18:VAL:HG11	1:A:81:PRO:HD3	0.59	1.75	9	5
1:A:31:ALA:H	1:A:68:LYS:HB3	0.59	1.57	9	1
1:A:4:ILE:HG22	1:A:6:LEU:N	0.59	2.11	3	26
1:A:46:TRP:HD1	1:A:47:VAL:HG12	0.59	1.57	13	1
1:A:24:PHE:HB2	1:A:74:LEU:HD23	0.59	1.74	14	6
1:A:49:LEU:HB3	1:A:53:VAL:HG23	0.59	1.74	29	8
1:A:12:GLN:C	1:A:12:GLN:HE21	0.59	2.06	16	1
1:A:31:ALA:H	1:A:68:LYS:HB2	0.59	1.58	19	1
1:A:57:LEU:O	1:A:57:LEU:HD13	0.58	1.98	27	3
1:A:21:SER:HB3	1:A:77:THR:HG22	0.58	1.73	3	5
1:A:38:VAL:HG12	1:A:92:SER:O	0.58	1.98	10	2
1:A:33:LEU:HD11	1:A:35:LYS:CD	0.58	2.28	11	1
1:A:26:ALA:HB3	1:A:41:TRP:CZ2	0.58	2.34	12	28
1:A:31:ALA:N	1:A:68:LYS:HD3	0.58	2.13	9	1
1:A:85:GLY:CA	1:A:104:LEU:HB3	0.58	2.29	23	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:43:LYS:HD3	1:A:57:LEU:HD23	0.58	1.76	17	2
1:A:17:THR:HA	1:A:107:HIS:HB2	0.58	1.74	2	7
1:A:45:LYS:N	1:A:85:GLY:HA3	0.58	2.13	18	5
1:A:49:LEU:CB	1:A:59:LEU:HD12	0.58	2.28	13	20
1:A:46:TRP:CZ3	1:A:47:VAL:HG13	0.58	2.34	5	15
1:A:37:PRO:HB3	1:A:93:THR:OG1	0.58	1.99	5	5
1:A:84:THR:OG1	1:A:106:VAL:HG12	0.58	1.98	14	1
1:A:26:ALA:HB3	1:A:41:TRP:HZ2	0.58	1.59	23	19
1:A:93:THR:O	1:A:95:ASP:N	0.58	2.37	15	24
1:A:16:VAL:O	1:A:106:VAL:HA	0.57	1.98	2	7
1:A:43:LYS:HZ3	1:A:47:VAL:HB	0.57	1.59	21	1
1:A:84:THR:HG21	1:A:106:VAL:H	0.57	1.57	14	1
1:A:33:LEU:HD21	1:A:35:LYS:C	0.57	2.23	24	2
1:A:43:LYS:HE3	1:A:87:TYR:OH	0.57	1.98	13	1
1:A:4:ILE:CD1	1:A:94:LYS:HE2	0.57	2.29	3	2
1:A:31:ALA:H	1:A:68:LYS:HG3	0.57	1.57	23	10
1:A:24:PHE:CD2	1:A:74:LEU:HD12	0.57	2.34	18	4
1:A:18:VAL:HG21	1:A:81:PRO:HG3	0.57	1.76	8	2
1:A:6:LEU:HD22	1:A:96:LYS:CB	0.57	2.23	13	1
1:A:39:VAL:HG13	1:A:91:VAL:HB	0.57	1.76	21	18
1:A:44:GLY:HA2	1:A:85:GLY:CA	0.57	2.29	6	8
1:A:48:ASP:OD2	1:A:52:LYS:HD3	0.57	1.99	21	4
1:A:44:GLY:O	1:A:85:GLY:HA2	0.57	2.00	28	5
1:A:83:PHE:HB3	1:A:104:LEU:CD2	0.57	2.29	21	1
1:A:53:VAL:CG2	1:A:59:LEU:HB3	0.57	2.29	29	7
1:A:22:ILE:HG22	1:A:76:ILE:O	0.57	1.99	6	11
1:A:7:PHE:HD2	1:A:10:ARG:HG2	0.57	1.58	24	3
1:A:43:LYS:HA	1:A:87:TYR:CD2	0.57	2.35	4	9
1:A:18:VAL:HG13	1:A:81:PRO:HD3	0.57	1.76	5	2
1:A:30:GLY:HA3	1:A:68:LYS:HE2	0.56	1.76	17	5
1:A:40:LYS:HD3	1:A:40:LYS:O	0.56	1.99	10	10
1:A:31:ALA:CB	1:A:68:LYS:HE3	0.56	2.30	23	2
1:A:53:VAL:HG21	1:A:59:LEU:HB2	0.56	1.78	10	1
1:A:93:THR:C	1:A:94:LYS:HG3	0.56	2.25	27	1
1:A:24:PHE:HD2	1:A:74:LEU:HD12	0.56	1.58	21	3
1:A:57:LEU:HB2	1:A:76:ILE:CG1	0.56	2.29	25	5
1:A:53:VAL:CG2	1:A:59:LEU:HB2	0.56	2.31	10	4
1:A:87:TYR:HB2	1:A:102:PHE:CZ	0.56	2.36	17	1
1:A:43:LYS:HB2	1:A:49:LEU:HD11	0.56	1.75	29	1
1:A:85:GLY:HA3	1:A:87:TYR:CE1	0.56	2.35	5	6
1:A:18:VAL:HG23	1:A:108:GLU:HA	0.56	1.78	19	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:11:PRO:HB2	1:A:102:PHE:CE1	0.56	2.35	17	2
1:A:11:PRO:CB	1:A:102:PHE:CZ	0.56	2.89	29	1
1:A:13:ASP:HB2	1:A:103:ASN:O	0.56	2.01	3	6
1:A:30:GLY:HA3	1:A:68:LYS:HZ2	0.56	1.60	9	1
1:A:7:PHE:HE2	1:A:10:ARG:HB3	0.55	1.60	6	2
1:A:2:ASP:HB2	1:A:94:LYS:NZ	0.55	2.16	19	3
1:A:52:LYS:HB2	1:A:57:LEU:HD12	0.55	1.77	7	4
1:A:6:LEU:O	1:A:28:VAL:HA	0.55	2.00	19	9
1:A:65:ARG:HD3	1:A:68:LYS:HE2	0.55	1.77	7	1
1:A:4:ILE:HD13	1:A:94:LYS:HE2	0.55	1.78	13	1
1:A:33:LEU:CD1	1:A:93:THR:HG21	0.55	2.30	22	7
1:A:37:PRO:HD2	1:A:70:TYR:CE2	0.55	2.34	6	4
1:A:45:LYS:HD2	1:A:83:PHE:HD1	0.55	1.60	17	1
1:A:43:LYS:O	1:A:44:GLY:O	0.55	2.24	20	19
1:A:52:LYS:N	1:A:52:LYS:HD2	0.55	2.16	9	14
1:A:57:LEU:HD22	1:A:76:ILE:HD13	0.55	1.79	26	6
1:A:43:LYS:O	1:A:47:VAL:HG23	0.55	2.02	9	1
1:A:77:THR:O	1:A:78:ASP:HB3	0.54	2.01	14	3
1:A:57:LEU:HB2	1:A:76:ILE:HG23	0.54	1.78	13	5
1:A:33:LEU:CD2	1:A:93:THR:HG22	0.54	2.30	11	1
1:A:102:PHE:N	1:A:102:PHE:CD1	0.54	2.75	12	4
1:A:44:GLY:O	1:A:46:TRP:N	0.54	2.40	19	13
1:A:33:LEU:HB2	1:A:94:LYS:HG2	0.54	1.80	19	2
1:A:45:LYS:HG3	1:A:84:THR:O	0.54	2.02	20	2
1:A:58:GLN:CG	1:A:75:HIS:HB2	0.54	2.33	11	2
1:A:2:ASP:HB2	1:A:94:LYS:HE2	0.54	1.77	27	3
1:A:68:LYS:HE3	1:A:68:LYS:HA	0.54	1.77	24	4
1:A:65:ARG:HD2	1:A:65:ARG:O	0.54	2.03	9	6
1:A:42:PHE:HB3	1:A:88:ARG:H	0.54	1.62	14	3
1:A:57:LEU:HD23	1:A:76:ILE:HG12	0.54	1.80	5	22
1:A:11:PRO:HB3	1:A:26:ALA:HB2	0.54	1.80	17	1
1:A:43:LYS:NZ	1:A:52:LYS:HG3	0.54	2.18	21	2
1:A:21:SER:CB	1:A:77:THR:HG22	0.54	2.33	3	6
1:A:24:PHE:HD2	1:A:74:LEU:HG	0.54	1.62	14	1
1:A:33:LEU:CD1	1:A:37:PRO:HD3	0.53	2.27	19	2
1:A:16:VAL:HG22	1:A:104:LEU:HD11	0.53	1.79	4	1
1:A:46:TRP:HD1	1:A:47:VAL:HG22	0.53	1.63	3	1
1:A:76:ILE:HD13	1:A:87:TYR:HE2	0.53	1.63	8	1
1:A:33:LEU:HD11	1:A:35:LYS:HG3	0.53	1.79	11	1
1:A:43:LYS:HE3	1:A:57:LEU:HD23	0.53	1.81	11	1
1:A:24:PHE:CD1	1:A:102:PHE:CE1	0.53	2.95	29	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:14:GLY:O	1:A:104:LEU:HA	0.53	2.03	4	13
1:A:85:GLY:H	1:A:104:LEU:HD23	0.53	1.64	17	5
1:A:94:LYS:HD3	1:A:96:LYS:H	0.53	1.63	8	9
1:A:62:SER:O	1:A:70:TYR:HA	0.53	2.04	19	6
1:A:43:LYS:HE2	1:A:76:ILE:HD13	0.53	1.79	25	3
1:A:13:ASP:HB3	1:A:103:ASN:O	0.53	2.04	15	4
1:A:47:VAL:HG13	1:A:48:ASP:O	0.53	2.04	17	2
1:A:89:CYS:SG	1:A:102:PHE:HZ	0.52	2.28	28	2
1:A:22:ILE:HG21	1:A:104:LEU:HD13	0.52	1.81	17	15
1:A:21:SER:OG	1:A:77:THR:HG22	0.52	2.05	25	1
1:A:74:LEU:HD13	1:A:76:ILE:HD11	0.52	1.80	5	7
1:A:33:LEU:HD22	1:A:33:LEU:N	0.52	2.20	2	6
1:A:74:LEU:HD22	1:A:74:LEU:N	0.52	2.19	14	14
1:A:7:PHE:CD1	1:A:98:ASP:HB3	0.52	2.40	6	3
1:A:30:GLY:O	1:A:33:LEU:HD11	0.52	2.05	15	2
1:A:42:PHE:CB	1:A:88:ARG:HB2	0.52	2.34	5	1
1:A:4:ILE:HD11	1:A:94:LYS:HZ3	0.52	1.63	6	4
1:A:45:LYS:HD2	1:A:83:PHE:CD1	0.52	2.39	17	3
1:A:43:LYS:CD	1:A:57:LEU:HD23	0.52	2.32	13	2
1:A:21:SER:HA	1:A:77:THR:HA	0.52	1.82	11	27
1:A:89:CYS:HB2	1:A:100:SER:OG	0.52	2.05	24	3
1:A:18:VAL:HG22	1:A:106:VAL:CG2	0.52	2.34	23	12
1:A:7:PHE:HE2	1:A:100:SER:HB3	0.52	1.64	8	4
1:A:11:PRO:HG2	1:A:102:PHE:CE2	0.52	2.40	28	8
1:A:89:CYS:SG	1:A:102:PHE:HE2	0.52	2.27	23	1
1:A:9:MET:HB3	1:A:27:ARG:HD3	0.52	1.82	5	1
1:A:2:ASP:HB2	1:A:4:ILE:CD1	0.52	2.35	9	2
1:A:24:PHE:HB2	1:A:74:LEU:HG	0.51	1.80	28	6
1:A:33:LEU:CB	1:A:94:LYS:HG2	0.51	2.35	19	1
1:A:94:LYS:HZ2	1:A:94:LYS:HB2	0.51	1.65	4	1
1:A:65:ARG:HH11	1:A:65:ARG:HG3	0.51	1.65	25	1
1:A:41:TRP:HB3	1:A:49:LEU:HD22	0.51	1.81	29	1
1:A:87:TYR:O	1:A:102:PHE:HB2	0.51	2.06	29	1
1:A:31:ALA:HB2	1:A:68:LYS:CE	0.51	2.36	1	1
1:A:45:LYS:HE3	1:A:82:ALA:O	0.51	2.05	28	1
1:A:33:LEU:HD23	1:A:93:THR:HG23	0.51	1.83	27	3
1:A:4:ILE:HG23	1:A:31:ALA:HB2	0.51	1.81	11	2
1:A:43:LYS:CG	1:A:47:VAL:HB	0.51	2.35	15	1
1:A:12:GLN:O	1:A:102:PHE:HB3	0.51	2.06	16	1
1:A:31:ALA:H	1:A:68:LYS:HD3	0.51	1.66	19	1
1:A:43:LYS:HB2	1:A:49:LEU:HG	0.51	1.83	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:65:ARG:HD3	1:A:68:LYS:NZ	0.51	2.21	24	1
1:A:6:LEU:HD21	1:A:93:THR:OG1	0.50	2.06	21	9
1:A:18:VAL:CG2	1:A:81:PRO:HB3	0.50	2.36	13	2
1:A:4:ILE:HG21	1:A:6:LEU:HD13	0.50	1.82	22	21
1:A:31:ALA:N	1:A:68:LYS:HE2	0.50	2.21	13	2
1:A:13:ASP:N	1:A:102:PHE:HB2	0.50	2.20	20	3
1:A:26:ALA:HB2	1:A:41:TRP:CH2	0.50	2.41	14	10
1:A:46:TRP:CD1	1:A:47:VAL:HG22	0.50	2.42	3	1
1:A:53:VAL:HG21	1:A:59:LEU:HB3	0.50	1.82	29	4
1:A:26:ALA:CB	1:A:41:TRP:CZ2	0.50	2.95	23	20
1:A:6:LEU:HD11	1:A:93:THR:OG1	0.50	2.06	5	2
1:A:18:VAL:CG1	1:A:81:PRO:HD3	0.50	2.37	15	7
1:A:18:VAL:CG2	1:A:108:GLU:HA	0.50	2.37	18	6
1:A:2:ASP:HB3	1:A:3:PRO:HD2	0.50	1.84	9	2
1:A:83:PHE:O	1:A:84:THR:C	0.50	2.53	12	12
1:A:28:VAL:HG21	1:A:39:VAL:HG21	0.50	1.83	2	5
1:A:53:VAL:HG22	1:A:59:LEU:HB2	0.50	1.83	12	8
1:A:45:LYS:HG3	1:A:83:PHE:HA	0.50	1.82	3	1
1:A:27:ARG:HB3	1:A:69:VAL:CG1	0.50	2.37	8	2
1:A:64:ASP:OD1	1:A:67:SER:HB2	0.50	2.07	7	1
1:A:40:LYS:HB2	1:A:40:LYS:NZ	0.49	2.21	6	2
1:A:74:LEU:N	1:A:74:LEU:HD23	0.49	2.22	12	14
1:A:39:VAL:HG22	1:A:91:VAL:HG13	0.49	1.84	25	1
1:A:42:PHE:HB3	1:A:88:ARG:HB3	0.49	1.84	18	1
1:A:63:TYR:CE1	1:A:65:ARG:HG2	0.49	2.42	25	2
1:A:93:THR:HG22	1:A:94:LYS:H	0.49	1.66	29	1
1:A:37:PRO:HG3	1:A:93:THR:HG21	0.49	1.84	23	3
1:A:2:ASP:OD1	1:A:3:PRO:HD2	0.49	2.08	14	2
1:A:22:ILE:HG12	1:A:104:LEU:HD13	0.49	1.85	14	1
1:A:12:GLN:O	1:A:24:PHE:HD1	0.49	1.90	15	1
1:A:2:ASP:O	1:A:96:LYS:HD2	0.49	2.08	4	1
1:A:89:CYS:O	1:A:99:CYS:HA	0.49	2.08	23	6
1:A:90:GLU:HG3	1:A:99:CYS:HB3	0.49	1.83	18	2
1:A:24:PHE:HD1	1:A:74:LEU:HB2	0.49	1.67	12	1
1:A:31:ALA:H	1:A:68:LYS:CG	0.48	2.22	14	8
1:A:43:LYS:CB	1:A:49:LEU:CD1	0.48	2.86	29	1
1:A:88:ARG:HG2	1:A:101:ASN:HA	0.48	1.84	6	1
1:A:18:VAL:HG13	1:A:79:ALA:O	0.48	2.09	3	2
1:A:31:ALA:N	1:A:68:LYS:HE3	0.48	2.24	21	3
1:A:29:ALA:HB1	1:A:68:LYS:CE	0.48	2.35	1	5
1:A:80:GLN:NE2	1:A:81:PRO:HD2	0.48	2.23	2	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:33:LEU:HD11	1:A:35:LYS:CG	0.48	2.38	11	1
1:A:30:GLY:C	1:A:68:LYS:HE3	0.48	2.34	21	1
1:A:7:PHE:CE2	1:A:10:ARG:HD2	0.48	2.43	28	1
1:A:12:GLN:C	1:A:102:PHE:HB2	0.48	2.33	13	11
1:A:87:TYR:N	1:A:87:TYR:CD1	0.48	2.82	21	5
1:A:35:LYS:HE2	1:A:38:VAL:HG22	0.48	1.85	23	1
1:A:6:LEU:HD11	1:A:37:PRO:HB3	0.48	1.85	2	2
1:A:49:LEU:CD2	1:A:57:LEU:HD21	0.48	2.33	6	4
1:A:89:CYS:HB3	1:A:100:SER:OG	0.48	2.09	22	2
1:A:93:THR:O	1:A:94:LYS:HD3	0.48	2.09	15	1
1:A:30:GLY:HA2	1:A:70:TYR:HE2	0.48	1.67	28	2
1:A:24:PHE:HB2	1:A:74:LEU:HD12	0.48	1.85	18	1
1:A:52:LYS:HD2	1:A:52:LYS:N	0.47	2.23	3	1
1:A:33:LEU:CD2	1:A:93:THR:HG23	0.47	2.39	5	3
1:A:46:TRP:CE3	1:A:47:VAL:HG13	0.47	2.44	29	1
1:A:43:LYS:HG2	1:A:44:GLY:N	0.47	2.25	12	3
1:A:43:LYS:HG3	1:A:44:GLY:N	0.47	2.24	29	1
1:A:87:TYR:HE1	1:A:104:LEU:HB3	0.47	1.70	15	3
1:A:33:LEU:HB2	1:A:94:LYS:CG	0.47	2.38	16	1
1:A:87:TYR:HB2	1:A:102:PHE:CD2	0.47	2.45	16	2
1:A:31:ALA:H	1:A:68:LYS:CD	0.47	2.23	19	1
1:A:89:CYS:HG	1:A:102:PHE:HZ	0.47	1.49	28	1
1:A:33:LEU:HD12	1:A:93:THR:CG2	0.47	2.38	4	3
1:A:41:TRP:CZ3	1:A:74:LEU:HD21	0.47	2.44	16	3
1:A:31:ALA:N	1:A:68:LYS:HB2	0.47	2.24	19	1
1:A:57:LEU:C	1:A:57:LEU:CD2	0.47	2.88	18	19
1:A:53:VAL:HA	1:A:57:LEU:HD13	0.47	1.87	9	2
1:A:65:ARG:HG3	1:A:65:ARG:NH1	0.47	2.25	25	1
1:A:32:SER:O	1:A:94:LYS:HG3	0.47	2.09	5	1
1:A:6:LEU:HD11	1:A:93:THR:HG21	0.47	1.87	11	1
1:A:24:PHE:CD2	1:A:76:ILE:HD12	0.47	2.45	24	2
1:A:90:GLU:HG3	1:A:99:CYS:SG	0.47	2.50	15	2
1:A:18:VAL:CG2	1:A:81:PRO:HD3	0.47	2.33	25	1
1:A:12:GLN:HE21	1:A:12:GLN:N	0.47	2.08	16	1
1:A:11:PRO:HG2	1:A:102:PHE:HE1	0.47	1.66	20	1
1:A:11:PRO:CG	1:A:102:PHE:CZ	0.47	2.98	29	1
1:A:48:ASP:CG	1:A:52:LYS:HD3	0.46	2.35	9	1
1:A:43:LYS:HZ3	1:A:47:VAL:CB	0.46	2.22	21	1
1:A:45:LYS:CB	1:A:46:TRP:HD1	0.46	2.23	23	1
1:A:30:GLY:C	1:A:68:LYS:HE2	0.46	2.34	13	1
1:A:59:LEU:CD2	1:A:59:LEU:C	0.46	2.88	29	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:9:MET:HB3	1:A:27:ARG:HB2	0.46	1.87	7	3
1:A:76:ILE:HD13	1:A:87:TYR:CE2	0.46	2.45	9	2
1:A:85:GLY:O	1:A:87:TYR:HD1	0.46	1.93	17	1
1:A:7:PHE:CD2	1:A:10:ARG:HG3	0.46	2.45	28	1
1:A:11:PRO:HD2	1:A:100:SER:CB	0.46	2.41	29	1
1:A:57:LEU:HD23	1:A:76:ILE:CG1	0.46	2.41	20	7
1:A:57:LEU:HD13	1:A:76:ILE:HG12	0.46	1.86	10	2
1:A:6:LEU:CB	1:A:96:LYS:HD3	0.46	2.33	20	1
1:A:53:VAL:HG21	1:A:59:LEU:CB	0.46	2.40	10	2
1:A:57:LEU:CD2	1:A:57:LEU:C	0.46	2.88	19	1
1:A:40:LYS:HG3	1:A:90:GLU:O	0.46	2.11	18	4
1:A:49:LEU:HD21	1:A:74:LEU:HD13	0.46	1.86	12	4
1:A:40:LYS:O	1:A:40:LYS:HD2	0.46	2.10	15	2
1:A:43:LYS:CE	1:A:49:LEU:HA	0.46	2.41	24	1
1:A:7:PHE:HB2	1:A:98:ASP:HB3	0.46	1.88	29	1
1:A:49:LEU:HD21	1:A:74:LEU:HD11	0.46	1.87	29	1
1:A:41:TRP:CZ2	1:A:74:LEU:HD21	0.46	2.45	9	2
1:A:28:VAL:HG11	1:A:91:VAL:HG21	0.46	1.88	11	2
1:A:13:ASP:HA	1:A:103:ASN:O	0.46	2.10	14	1
1:A:6:LEU:HB2	1:A:96:LYS:CD	0.46	2.41	3	1
1:A:53:VAL:HG22	1:A:59:LEU:CB	0.45	2.40	27	5
1:A:2:ASP:CG	1:A:3:PRO:HD2	0.45	2.36	14	1
1:A:58:GLN:O	1:A:74:LEU:HA	0.45	2.11	29	2
1:A:40:LYS:CE	1:A:90:GLU:HB2	0.45	2.40	29	1
1:A:86:GLY:HA2	1:A:102:PHE:O	0.45	2.11	23	1
1:A:42:PHE:HD2	1:A:88:ARG:HB2	0.45	1.72	27	1
1:A:27:ARG:HG2	1:A:71:LEU:HD13	0.45	1.87	12	1
1:A:12:GLN:HE21	1:A:12:GLN:CA	0.45	2.24	16	1
1:A:43:LYS:HD3	1:A:57:LEU:CD2	0.45	2.40	17	1
1:A:89:CYS:SG	1:A:102:PHE:CZ	0.45	3.09	2	1
1:A:4:ILE:HG22	1:A:5:GLY:N	0.45	2.26	10	2
1:A:37:PRO:HG3	1:A:93:THR:CG2	0.45	2.41	23	1
1:A:49:LEU:C	1:A:53:VAL:HG23	0.45	2.37	27	10
1:A:57:LEU:C	1:A:57:LEU:CD1	0.45	2.90	11	5
1:A:9:MET:CG	1:A:27:ARG:HD3	0.45	2.41	12	1
1:A:7:PHE:HD2	1:A:10:ARG:HE	0.45	1.54	22	1
1:A:30:GLY:CA	1:A:68:LYS:HE2	0.45	2.41	24	4
1:A:68:LYS:HA	1:A:68:LYS:HZ2	0.45	1.72	7	1
1:A:57:LEU:HD22	1:A:76:ILE:CG1	0.45	2.41	17	1
1:A:4:ILE:CG1	1:A:94:LYS:HD3	0.45	2.37	27	1
1:A:18:VAL:CG2	1:A:106:VAL:HG22	0.45	2.42	4	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:93:THR:O	1:A:94:LYS:C	0.45	2.59	24	11
1:A:84:THR:CB	1:A:106:VAL:HG12	0.45	2.41	14	1
1:A:43:LYS:HB3	1:A:47:VAL:HG12	0.45	1.88	17	1
1:A:11:PRO:HD3	1:A:26:ALA:HA	0.45	1.89	21	1
1:A:60:HIS:CB	1:A:73:GLU:HG3	0.45	2.40	2	1
1:A:41:TRP:NE1	1:A:59:LEU:HD21	0.45	2.27	18	1
1:A:51:SER:HB2	1:A:52:LYS:HD2	0.45	1.86	29	2
1:A:4:ILE:CB	1:A:96:LYS:HD3	0.45	2.20	4	1
1:A:33:LEU:HD11	1:A:37:PRO:CD	0.45	2.33	20	2
1:A:33:LEU:HD23	1:A:93:THR:CG2	0.45	2.36	24	1
1:A:46:TRP:CD1	1:A:46:TRP:N	0.45	2.85	29	2
1:A:64:ASP:CB	1:A:67:SER:HB2	0.45	2.41	28	1
1:A:68:LYS:O	1:A:68:LYS:HG2	0.44	2.12	23	2
1:A:57:LEU:HD13	1:A:76:ILE:CG1	0.44	2.42	10	1
1:A:49:LEU:CD2	1:A:74:LEU:HD11	0.44	2.42	11	1
1:A:47:VAL:HG12	1:A:52:LYS:HE3	0.44	1.88	29	1
1:A:26:ALA:CB	1:A:41:TRP:CH2	0.44	3.00	16	4
1:A:11:PRO:HD2	1:A:100:SER:HB2	0.44	1.89	29	1
1:A:33:LEU:CG	1:A:35:LYS:O	0.44	2.62	7	2
1:A:62:SER:O	1:A:71:LEU:N	0.44	2.50	8	1
1:A:31:ALA:HB2	1:A:68:LYS:HE3	0.44	1.89	23	1
1:A:64:ASP:HB2	1:A:69:VAL:O	0.44	2.11	28	1
1:A:45:LYS:H	1:A:85:GLY:HA3	0.44	1.71	18	2
1:A:24:PHE:CE2	1:A:76:ILE:HD12	0.44	2.47	24	1
1:A:40:LYS:CD	1:A:90:GLU:HB3	0.44	2.33	25	1
1:A:94:LYS:HE3	1:A:95:ASP:HB2	0.44	1.90	12	1
1:A:33:LEU:HB3	1:A:94:LYS:HG3	0.44	1.90	18	1
1:A:45:LYS:HG3	1:A:85:GLY:HA2	0.44	1.89	21	2
1:A:85:GLY:HA3	1:A:87:TYR:HE1	0.44	1.71	26	1
1:A:43:LYS:CB	1:A:49:LEU:HD12	0.44	2.36	29	1
1:A:49:LEU:HD23	1:A:59:LEU:HG	0.44	1.87	29	1
1:A:54:GLY:N	1:A:57:LEU:O	0.44	2.50	14	16
1:A:33:LEU:HB2	1:A:94:LYS:N	0.44	2.28	27	2
1:A:94:LYS:HB2	1:A:94:LYS:NZ	0.44	2.27	3	3
1:A:4:ILE:HG13	1:A:31:ALA:HB1	0.44	1.88	12	2
1:A:57:LEU:CD1	1:A:74:LEU:HD12	0.44	2.42	10	1
1:A:45:LYS:C	1:A:46:TRP:CG	0.44	2.96	13	1
1:A:40:LYS:HE2	1:A:90:GLU:HB3	0.44	1.88	2	1
1:A:39:VAL:HG22	1:A:91:VAL:CG2	0.44	2.43	6	1
1:A:41:TRP:CH2	1:A:74:LEU:CD2	0.44	3.01	11	1
1:A:7:PHE:HB2	1:A:98:ASP:CG	0.44	2.38	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:68:LYS:HG2	1:A:68:LYS:O	0.44	2.13	14	1
1:A:6:LEU:HD21	1:A:91:VAL:HG22	0.43	1.89	7	2
1:A:53:VAL:CG2	1:A:59:LEU:CB	0.43	2.96	12	1
1:A:3:PRO:C	1:A:4:ILE:HD12	0.43	2.38	13	2
1:A:43:LYS:HE3	1:A:48:ASP:O	0.43	2.13	24	1
1:A:35:LYS:O	1:A:35:LYS:HD2	0.43	2.13	2	2
1:A:7:PHE:HZ	1:A:100:SER:HB3	0.43	1.67	13	1
1:A:43:LYS:HE2	1:A:83:PHE:HE1	0.43	1.67	21	1
1:A:57:LEU:CD2	1:A:87:TYR:HE2	0.43	2.26	11	2
1:A:61:ASP:HB3	1:A:72:PHE:CE2	0.43	2.48	4	1
1:A:33:LEU:CD2	1:A:35:LYS:HD2	0.43	2.41	5	1
1:A:33:LEU:HD11	1:A:36:PRO:N	0.43	2.28	24	2
1:A:63:TYR:HD1	1:A:70:TYR:CE1	0.43	2.31	21	1
1:A:33:LEU:HA	1:A:94:LYS:HB3	0.43	1.89	23	1
1:A:41:TRP:HB3	1:A:49:LEU:CD1	0.43	2.35	25	1
1:A:49:LEU:HD12	1:A:49:LEU:N	0.43	2.28	29	1
1:A:55:GLN:C	1:A:58:GLN:HE22	0.43	2.22	11	1
1:A:56:HIS:HB2	1:A:77:THR:O	0.43	2.14	7	1
1:A:15:GLU:HB3	1:A:107:HIS:NE2	0.43	2.28	1	1
1:A:83:PHE:O	1:A:85:GLY:N	0.43	2.51	8	1
1:A:64:ASP:OD2	1:A:67:SER:HB3	0.43	2.14	16	1
1:A:44:GLY:HA3	1:A:83:PHE:O	0.43	2.14	29	1
1:A:63:TYR:HB2	1:A:70:TYR:CD2	0.43	2.49	29	1
1:A:101:ASN:H	1:A:101:ASN:HD22	0.43	1.54	1	4
1:A:12:GLN:O	1:A:24:PHE:HD2	0.43	1.96	12	1
1:A:44:GLY:HA2	1:A:85:GLY:C	0.43	2.38	6	3
1:A:24:PHE:HB2	1:A:74:LEU:CG	0.43	2.44	7	2
1:A:44:GLY:HA3	1:A:86:GLY:O	0.43	2.14	28	2
1:A:89:CYS:SG	1:A:102:PHE:HE1	0.43	2.36	10	1
1:A:25:SER:CB	1:A:71:LEU:HD11	0.43	2.43	12	1
1:A:33:LEU:HB3	1:A:94:LYS:HG2	0.43	1.91	13	1
1:A:33:LEU:CD2	1:A:93:THR:HA	0.43	2.30	27	2
1:A:94:LYS:CE	1:A:95:ASP:H	0.43	2.27	28	1
1:A:102:PHE:CD1	1:A:102:PHE:N	0.42	2.86	28	3
1:A:68:LYS:HA	1:A:68:LYS:CE	0.42	2.43	24	1
1:A:11:PRO:HG3	1:A:102:PHE:CE2	0.42	2.49	29	1
1:A:52:LYS:N	1:A:52:LYS:CD	0.42	2.82	10	4
1:A:15:GLU:HG3	1:A:107:HIS:CD2	0.42	2.50	3	1
1:A:74:LEU:N	1:A:74:LEU:CD2	0.42	2.82	9	3
1:A:13:ASP:HB3	1:A:103:ASN:H	0.42	1.74	13	1
1:A:70:TYR:N	1:A:70:TYR:CD1	0.42	2.87	20	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:104:LEU:O	1:A:104:LEU:HG	0.42	2.12	29	2
1:A:49:LEU:CG	1:A:57:LEU:HD11	0.42	2.44	5	1
1:A:100:SER:OG	1:A:102:PHE:HE1	0.42	1.97	8	1
1:A:27:ARG:HE	1:A:69:VAL:HG11	0.42	1.74	23	1
1:A:18:VAL:HA	1:A:79:ALA:O	0.42	2.14	9	3
1:A:85:GLY:N	1:A:104:LEU:O	0.42	2.53	10	4
1:A:53:VAL:N	1:A:57:LEU:HD13	0.42	2.29	12	1
1:A:89:CYS:SG	1:A:100:SER:HB3	0.42	2.54	23	1
1:A:33:LEU:C	1:A:33:LEU:CD1	0.42	2.92	6	1
1:A:12:GLN:O	1:A:24:PHE:CD1	0.42	2.73	14	1
1:A:33:LEU:HD21	1:A:35:LYS:N	0.42	2.29	24	1
1:A:76:ILE:HD12	1:A:87:TYR:CE2	0.42	2.50	29	4
1:A:33:LEU:HD23	1:A:37:PRO:HA	0.42	1.90	23	1
1:A:84:THR:O	1:A:86:GLY:N	0.42	2.52	23	1
1:A:39:VAL:HG22	1:A:91:VAL:HG23	0.42	1.91	28	1
1:A:39:VAL:HA	1:A:91:VAL:HA	0.42	1.92	27	2
1:A:24:PHE:CD1	1:A:24:PHE:N	0.42	2.88	12	1
1:A:41:TRP:CZ3	1:A:89:CYS:SG	0.41	3.11	10	1
1:A:68:LYS:O	1:A:68:LYS:CD	0.41	2.68	19	1
1:A:53:VAL:CG1	1:A:59:LEU:H	0.41	2.22	10	1
1:A:74:LEU:HD13	1:A:76:ILE:CD1	0.41	2.45	18	1
1:A:49:LEU:CD1	1:A:49:LEU:N	0.41	2.83	29	1
1:A:76:ILE:CD1	1:A:87:TYR:CE2	0.41	3.03	5	1
1:A:89:CYS:SG	1:A:102:PHE:CE1	0.41	3.13	10	2
1:A:24:PHE:HB2	1:A:74:LEU:CB	0.41	2.39	11	1
1:A:58:GLN:HG2	1:A:75:HIS:O	0.41	2.14	11	1
1:A:57:LEU:HD22	1:A:76:ILE:HG12	0.41	1.91	17	1
1:A:13:ASP:CA	1:A:102:PHE:HB2	0.41	2.45	20	1
1:A:39:VAL:HG13	1:A:91:VAL:HG22	0.41	1.93	25	1
1:A:52:LYS:O	1:A:53:VAL:C	0.41	2.64	5	1
1:A:33:LEU:HD11	1:A:35:LYS:HD2	0.41	1.91	7	1
1:A:11:PRO:HB2	1:A:24:PHE:HB3	0.41	1.90	8	1
1:A:67:SER:O	1:A:68:LYS:HB3	0.41	2.15	27	1
1:A:68:LYS:HA	1:A:68:LYS:HZ3	0.41	1.74	21	1
1:A:41:TRP:CB	1:A:49:LEU:HD22	0.41	2.46	29	1
1:A:87:TYR:CD1	1:A:87:TYR:N	0.41	2.89	8	2
1:A:31:ALA:HA	1:A:68:LYS:CE	0.41	2.37	23	2
1:A:7:PHE:HD2	1:A:10:ARG:HD2	0.41	1.76	6	1
1:A:76:ILE:CD1	1:A:87:TYR:HE2	0.41	2.28	25	1
1:A:43:LYS:HZ3	1:A:43:LYS:CB	0.41	2.23	23	1
1:A:7:PHE:HB2	1:A:98:ASP:CB	0.41	2.46	29	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:34:LEU:H	1:A:34:LEU:HG	0.41	1.58	11	1
1:A:84:THR:CG2	1:A:104:LEU:CG	0.41	2.89	14	1
1:A:18:VAL:CG1	1:A:108:GLU:HA	0.41	2.46	25	1
1:A:81:PRO:HB3	1:A:108:GLU:HG2	0.41	1.93	28	1
1:A:51:SER:CB	1:A:52:LYS:HD2	0.41	2.43	3	1
1:A:93:THR:HG22	1:A:94:LYS:HG3	0.41	1.92	26	1
1:A:47:VAL:HG23	1:A:48:ASP:N	0.40	2.31	13	1
1:A:18:VAL:HG23	1:A:107:HIS:O	0.40	2.16	24	1
1:A:33:LEU:CD2	1:A:35:LYS:N	0.40	2.84	24	1
1:A:64:ASP:OD2	1:A:67:SER:HB2	0.40	2.16	12	1
1:A:86:GLY:HA2	1:A:103:ASN:HA	0.40	1.92	13	1
1:A:33:LEU:HB3	1:A:94:LYS:CG	0.40	2.46	18	1
1:A:4:ILE:HB	1:A:96:LYS:CG	0.40	2.45	19	1
1:A:83:PHE:HB3	1:A:104:LEU:HD21	0.40	1.92	21	1
1:A:18:VAL:HG12	1:A:108:GLU:HA	0.40	1.94	25	1
1:A:49:LEU:HB2	1:A:59:LEU:HD12	0.40	1.93	29	1
1:A:2:ASP:HB2	1:A:4:ILE:HD13	0.40	1.94	20	2
1:A:45:LYS:HD3	1:A:82:ALA:O	0.40	2.15	14	1
1:A:6:LEU:CD2	1:A:96:LYS:HB3	0.40	2.41	15	1
1:A:80:GLN:HG2	1:A:83:PHE:CE1	0.40	2.52	28	1
1:A:24:PHE:HD2	1:A:74:LEU:HB2	0.40	1.76	29	1
1:A:49:LEU:HD21	1:A:74:LEU:CD1	0.40	2.47	29	1
1:A:24:PHE:HB2	1:A:74:LEU:CD2	0.40	2.46	7	1
1:A:65:ARG:HD3	1:A:68:LYS:HE3	0.40	1.92	12	1
1:A:65:ARG:O	1:A:65:ARG:HD2	0.40	2.16	18	1
1:A:49:LEU:HD22	1:A:59:LEU:HD12	0.40	1.92	4	1
1:A:94:LYS:CE	1:A:95:ASP:HB3	0.40	2.46	14	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	107/120 (89%)	89±2 (83±2%)	11±2 (10±2%)	7±1 (7±1%)	2	17
All	All	3103/3480 (89%)	2576 (83%)	320 (10%)	207 (7%)	2	17

All 14 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	13	ASP	29
1	A	46	TRP	29
1	A	53	VAL	29
1	A	94	LYS	29
1	A	84	THR	22
1	A	44	GLY	20
1	A	45	LYS	20
1	A	3	PRO	9
1	A	85	GLY	5
1	A	78	ASP	5
1	A	31	ALA	4
1	A	95	ASP	3
1	A	33	LEU	2
1	A	54	GLY	1

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	92/104 (88%)	70±2 (76±2%)	22±2 (24±2%)	2 26
All	All	2668/3016 (88%)	2017 (76%)	651 (24%)	2 26

All 54 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	7	PHE	29
1	A	35	LYS	29
1	A	57	LEU	29
1	A	58	GLN	29
1	A	59	LEU	29
1	A	94	LYS	29
1	A	104	LEU	29
1	A	17	THR	28
1	A	47	VAL	28
1	A	40	LYS	28

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Mol	Chain	Res	Type	Models (Total)
1	A	33	LEU	27
1	A	65	ARG	25
1	A	101	ASN	25
1	A	80	GLN	24
1	A	25	SER	23
1	A	96	LYS	23
1	A	93	THR	22
1	A	68	LYS	20
1	A	83	PHE	17
1	A	74	LEU	15
1	A	38	VAL	15
1	A	39	VAL	13
1	A	16	VAL	9
1	A	102	PHE	9
1	A	73	GLU	9
1	A	61	ASP	8
1	A	64	ASP	8
1	A	95	ASP	8
1	A	48	ASP	7
1	A	52	LYS	6
1	A	62	SER	6
1	A	103	ASN	6
1	A	45	LYS	4
1	A	89	CYS	3
1	A	43	LYS	3
1	A	18	VAL	2
1	A	60	HIS	2
1	A	46	TRP	2
1	A	78	ASP	2
1	A	32	SER	2
1	A	10	ARG	2
1	A	4	ILE	2
1	A	100	SER	2
1	A	49	LEU	2
1	A	13	ASP	2
1	A	55	GLN	1
1	A	50	SER	1
1	A	24	PHE	1
1	A	87	TYR	1
1	A	90	GLU	1
1	A	12	GLN	1
1	A	91	VAL	1

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Mol	Chain	Res	Type	Models (Total)
1	A	34	LEU	1
1	A	63	TYR	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

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 79% for the well-defined parts and 78% 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	1151
Number of shifts mapped to atoms	1151
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	3

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	108	-0.52 ± 0.11	Should be applied
$^{13}C_{\beta}$	99	-0.46 ± 0.17	None needed (< 0.5 ppm)
$^{13}C'$	99	-3.21 ± 0.40	Should be applied
^{15}N	102	-1.32 ± 0.22	Should be applied

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 79%, i.e. 1143 atoms were assigned a chemical shift out of a possible 1439. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	522/534 (98%)	216/218 (99%)	205/214 (96%)	101/102 (99%)
Sidechain	577/752 (77%)	382/490 (78%)	190/236 (81%)	5/26 (19%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	44/153 (29%)	24/75 (32%)	18/68 (26%)	2/10 (20%)
Overall	1143/1439 (79%)	622/783 (79%)	413/518 (80%)	108/138 (78%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 78%, i.e. 1151 atoms were assigned a chemical shift out of a possible 1472. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	527/549 (96%)	218/224 (97%)	207/220 (94%)	102/105 (97%)
Sidechain	580/770 (75%)	384/502 (76%)	191/242 (79%)	5/26 (19%)
Aromatic	44/153 (29%)	24/75 (32%)	18/68 (26%)	2/10 (20%)
Overall	1151/1472 (78%)	626/801 (78%)	416/530 (78%)	109/141 (77%)

7.1.4 Statistically unusual chemical shifts (i)

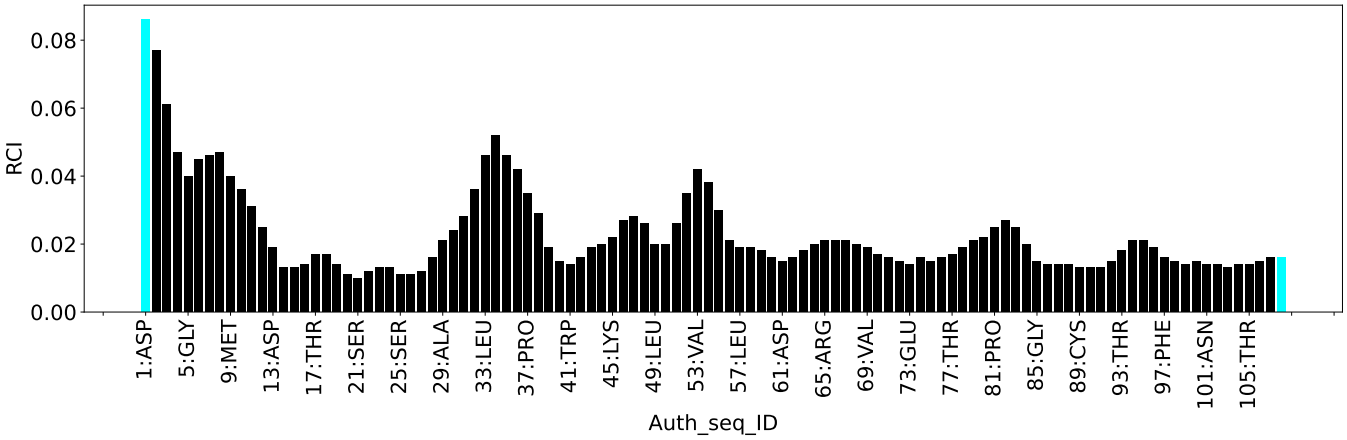
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	43	LYS	CE	31.57	37.57 – 46.21	-11.9
1	A	74	LEU	HB3	-0.84	-0.26 – 3.31	-6.6
1	A	87	TYR	HB3	0.70	0.93 – 4.76	-5.6

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
0.08
0.06
0.04
0.02
0.00
1:ASP
5:GLY
9:MET
13:ASP
17:THR
21:SER
25:SER
29:ALA
33:LEU
37:PRO
41:TRP
45:LYS
49:LEU
53:VAL
57:LEU
61:ASP
65:ARG
69:VAL
73:GLU
77:THR
81:PRO
85:GLY
89:CYS
93:THR
97:PHE
101:ASN
105:THR
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	17893
Intra-residue (|i-j|=0)	7062
Sequential (|i-j|=1)	4364
Medium range (|i-j|>1 and |i-j|<5)	1525
Long range (|i-j|≥5)	4942
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	149.1
Number of long range restraints per residue[1]	41.2

[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)	186.2	0.2
0.2-0.5 (Medium)	289.2	0.5
>0.5 (Large)	186.0	3.43

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

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

9 Distance violation analysis (i)

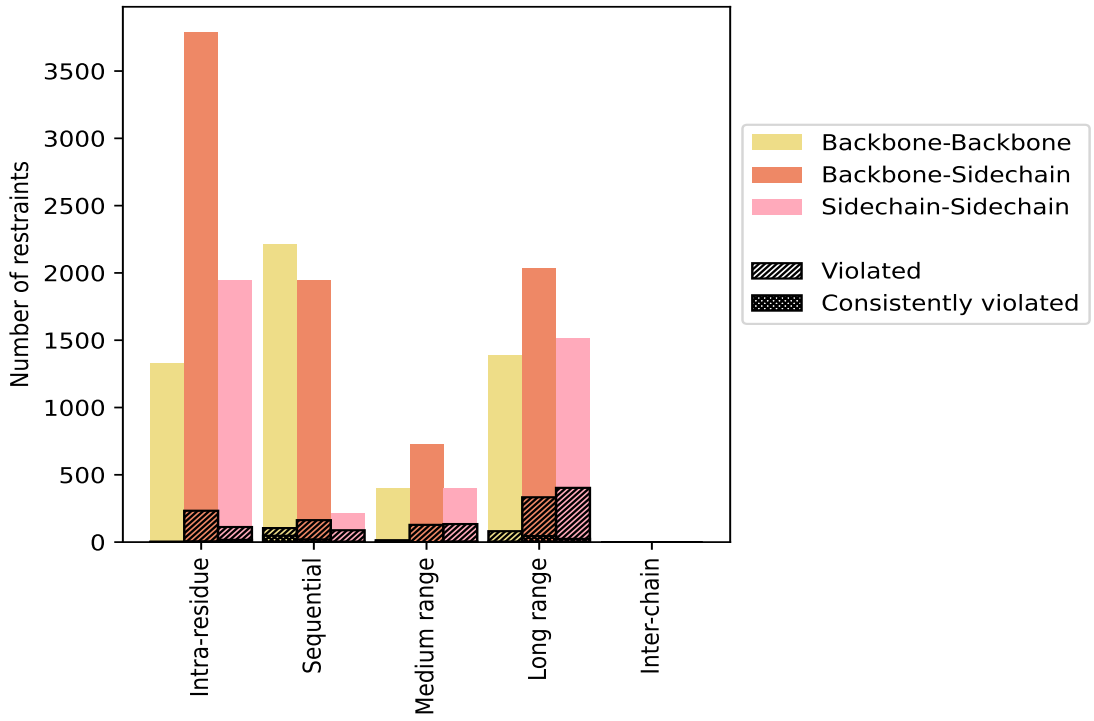
9.1 Summary of distance violations (i)

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)	7062	39.5	348	4.9	1.9	24	0.3	0.1
Backbone-Backbone	1328	7.4	3	0.2	0.0	1	0.1	0.0
Backbone-Sidechain	3788	21.2	233	6.2	1.3	6	0.2	0.0
Sidechain-Sidechain	1946	10.9	112	5.8	0.6	17	0.9	0.1
Sequential (|i-j|=1)	4364	24.4	355	8.1	2.0	71	1.6	0.4
Backbone-Backbone	2211	12.4	104	4.7	0.6	47	2.1	0.3
Backbone-Sidechain	1942	10.9	163	8.4	0.9	20	1.0	0.1
Sidechain-Sidechain	211	1.2	88	41.7	0.5	4	1.9	0.0
Medium range (|i-j|>1 & |i-j|<5)	1525	8.5	276	18.1	1.5	7	0.5	0.0
Backbone-Backbone	401	2.2	14	3.5	0.1	2	0.5	0.0
Backbone-Sidechain	727	4.1	128	17.6	0.7	0	0.0	0.0
Sidechain-Sidechain	397	2.2	134	33.8	0.7	5	1.3	0.0
Long range (|i-j|≥5)	4942	27.6	817	16.5	4.6	73	1.5	0.4
Backbone-Backbone	1389	7.8	81	5.8	0.5	4	0.3	0.0
Backbone-Sidechain	2037	11.4	333	16.3	1.9	45	2.2	0.3
Sidechain-Sidechain	1516	8.5	403	26.6	2.3	24	1.6	0.1
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	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	17893	100.0	1796	10.0	10.0	175	1.0	1.0
Backbone-Backbone	5329	29.8	202	3.8	1.1	54	1.0	0.3
Backbone-Sidechain	8494	47.5	857	10.1	4.8	71	0.8	0.4
Sidechain-Sidechain	4070	22.7	737	18.1	4.1	50	1.2	0.3

[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	126	169	56	358	0	709	0.46	2.47	0.38	0.32
2	96	180	56	277	0	609	0.4	2.53	0.34	0.31
3	91	210	85	299	0	685	0.39	2.44	0.37	0.29
4	86	170	64	318	0	638	0.47	2.57	0.36	0.35
5	95	187	85	326	0	693	0.45	2.7	0.4	0.28
6	83	180	89	278	0	630	0.41	2.11	0.35	0.29
7	126	207	92	280	0	705	0.39	2.59	0.34	0.27
8	84	181	76	319	0	660	0.45	2.6	0.38	0.32
9	98	193	107	290	0	688	0.46	2.33	0.38	0.32
10	110	204	72	299	0	685	0.45	2.67	0.36	0.32

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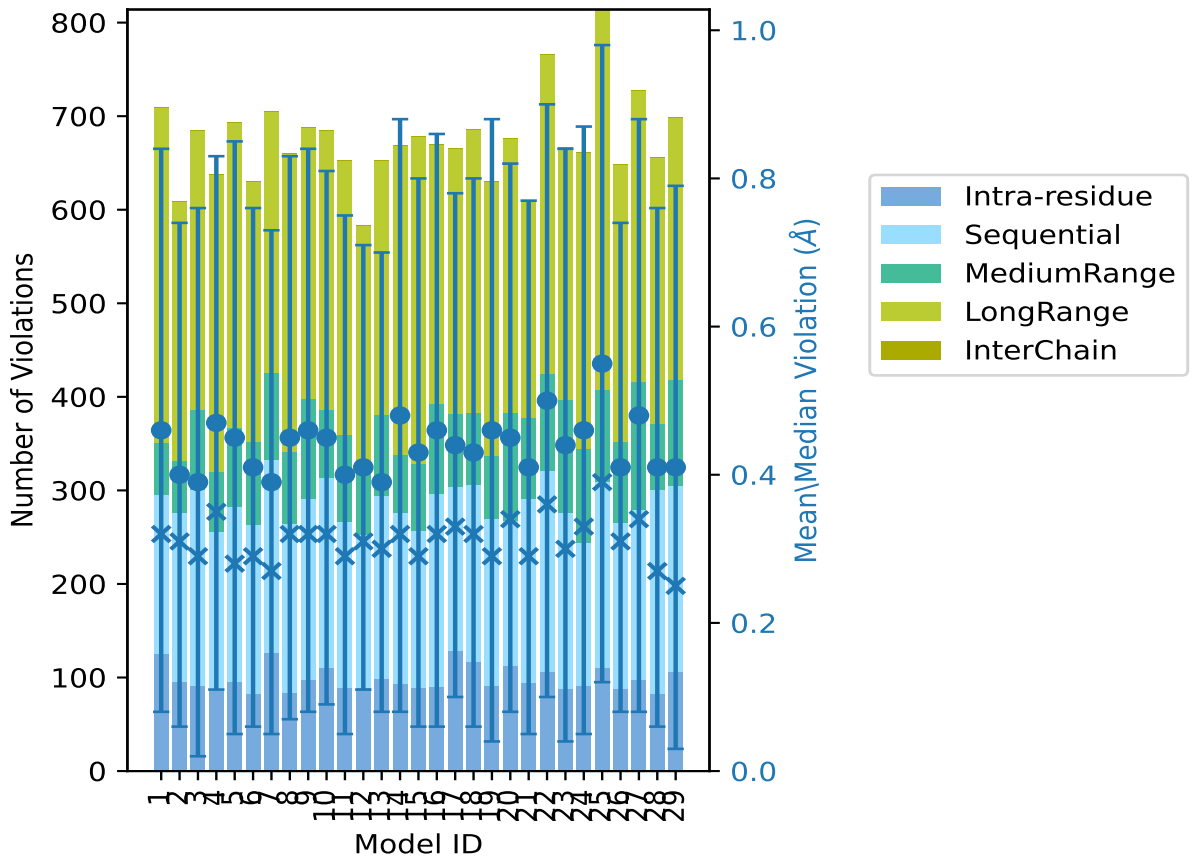
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	89	178	93	293	0	653	0.4	2.65	0.35	0.29
12	89	163	66	265	0	583	0.41	1.84	0.3	0.31
13	99	195	87	272	0	653	0.39	3.01	0.31	0.3
14	93	183	62	331	0	669	0.48	3.11	0.4	0.32
15	89	168	72	349	0	678	0.43	2.69	0.37	0.29
16	90	206	97	277	0	670	0.46	2.1	0.4	0.32
17	128	176	78	283	0	665	0.44	1.88	0.34	0.33
18	117	189	77	303	0	686	0.43	2.56	0.37	0.32
19	91	179	67	293	0	630	0.46	2.34	0.42	0.29
20	112	156	115	293	0	676	0.45	2.56	0.37	0.34
21	95	196	87	231	0	609	0.41	2.54	0.36	0.29
22	106	215	104	341	0	766	0.5	2.16	0.4	0.36
23	88	188	121	269	0	666	0.44	2.03	0.4	0.3
24	91	153	100	317	0	661	0.46	3.43	0.41	0.33
25	111	198	98	407	0	814	0.55	2.34	0.43	0.39
26	88	177	87	296	0	648	0.41	2.64	0.33	0.31
27	98	181	137	311	0	727	0.48	1.92	0.4	0.34
28	82	219	70	285	0	656	0.41	2.29	0.35	0.27
29	106	199	113	281	0	699	0.41	2.97	0.38	0.25

[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 (i)



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, 16097(IR:6714, SQ:4009, MR:1249, LR:4125, IC:0) 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]	%
53	52	50	196	0	351	1	3.4
94	25	25	131	0	275	2	6.9
7	19	27	29	0	82	3	10.3
35	7	31	15	0	88	4	13.8
26	10	6	6	0	48	5	17.2
22	1	9	33	0	65	6	20.7

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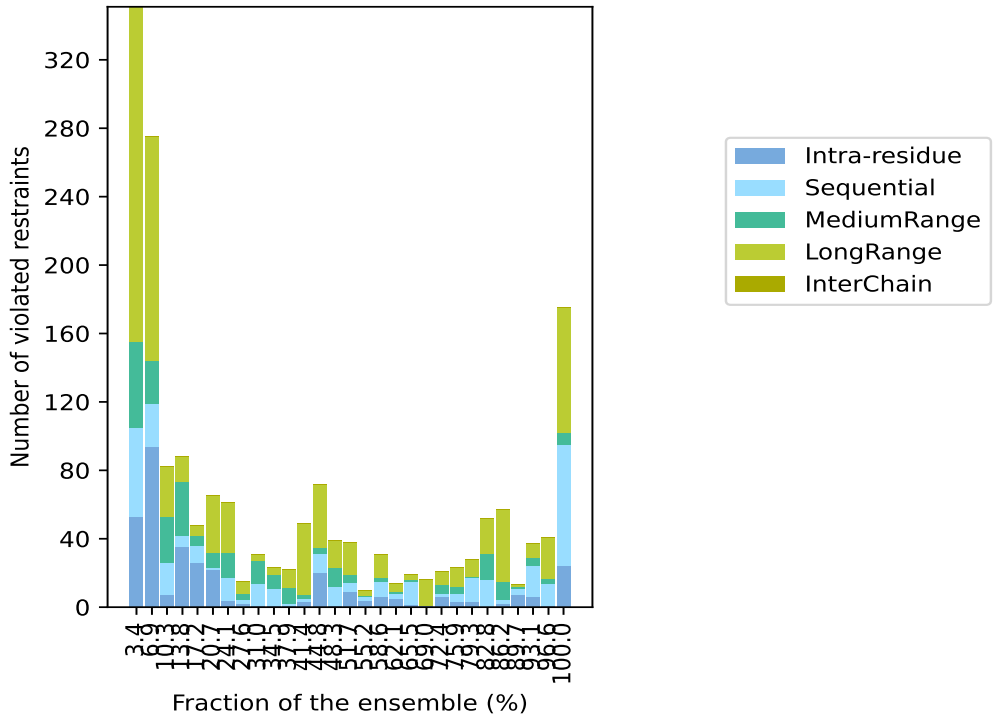
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
4	13	15	29	0	61	7	24.1
2	2	4	7	0	15	8	27.6
1	13	13	4	0	31	9	31.0
1	10	8	4	0	23	10	34.5
1	1	9	11	0	22	11	37.9
3	2	2	42	0	49	12	41.4
20	11	4	37	0	72	13	44.8
1	11	11	16	0	39	14	48.3
9	5	5	19	0	38	15	51.7
4	2	1	3	0	10	16	55.2
6	9	2	14	0	31	17	58.6
5	3	1	5	0	14	18	62.1
1	14	1	3	0	19	19	65.5
1	0	0	15	0	16	20	69.0
6	2	5	8	0	21	21	72.4
3	5	4	11	0	23	22	75.9
3	14	1	10	0	28	23	79.3
0	16	15	21	0	52	24	82.8
2	2	11	42	0	57	25	86.2
7	4	1	1	0	13	26	89.7
6	18	5	8	0	37	27	93.1
1	13	3	24	0	41	28	96.6
24	71	7	73	0	175	29	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

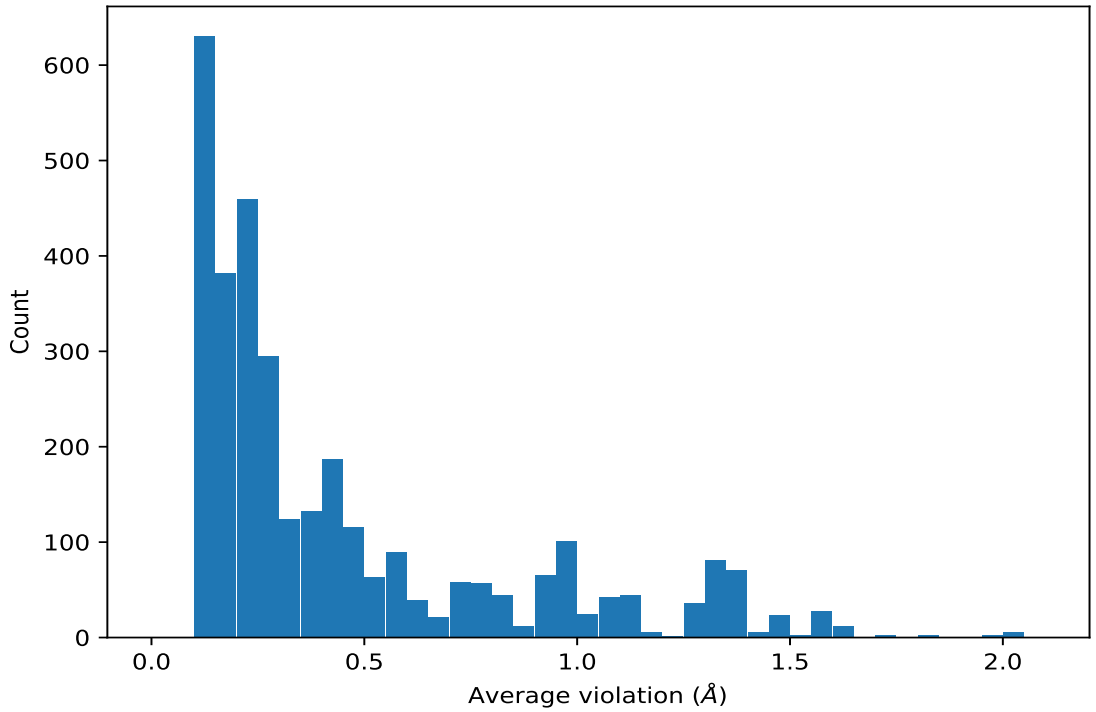
9.3.1 Bar graph : Distance violation statistics for the ensemble



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 (i)

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)
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	29	1.74	0.13	1.73
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	29	1.74	0.13	1.73
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	29	1.74	0.13	1.73
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HD11	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HG21	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG23	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HD13	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG23	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG21	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG21	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG22	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HD12	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HD11	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG22	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HG22	29	1.56	0.1	1.55
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HD11	29	1.56	0.1	1.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HG23	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HD11	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HG21	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG23	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HD13	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG23	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG21	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG21	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG22	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HD12	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HD11	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG22	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HG22	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HD11	29	1.56	0.1	1.55
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HG23	29	1.56	0.1	1.55
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	29	1.52	0.56	1.77
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG2	29	1.52	0.56	1.77
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	29	1.34	0.44	1.28
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	29	1.34	0.44	1.28
(1,11949)	1:8:A:VAL:HG23	1:37:A:PRO:HG2	29	1.34	0.44	1.28
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	29	1.21	0.32	1.33
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	29	1.03	0.29	1.07
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	29	1.03	0.29	1.07
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	29	1.03	0.29	1.07
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	29	0.98	0.47	0.99
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	0.95	0.25	1.03
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	29	0.93	0.15	0.94
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	29	0.91	0.32	1.03
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	29	0.84	0.72	0.31
(1,2509)	1:52:A:LYS:HD2	1:48:A:ASP:HB2	29	0.84	0.72	0.31
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	29	0.78	0.09	0.8
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	29	0.78	0.12	0.8
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	29	0.78	0.18	0.83
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	29	0.77	0.11	0.8
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	29	0.77	0.11	0.8
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	29	0.74	0.41	0.79
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	29	0.73	0.09	0.71
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	29	0.73	0.09	0.71
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	29	0.73	0.2	0.81
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	29	0.7	0.03	0.68
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	29	0.58	0.13	0.57
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	29	0.58	0.13	0.57
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	29	0.52	0.15	0.51
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	29	0.52	0.15	0.51
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	29	0.52	0.15	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	29	0.52	0.15	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	29	0.52	0.15	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	29	0.52	0.15	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	29	0.52	0.15	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	29	0.52	0.15	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	29	0.52	0.15	0.51
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	29	0.52	0.15	0.51
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	29	0.52	0.15	0.51
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	29	0.52	0.15	0.51
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	29	0.52	0.03	0.5
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	29	0.51	0.19	0.59
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	29	0.49	0.36	0.36
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG3	29	0.49	0.36	0.36
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	29	0.47	0.08	0.47
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	29	0.47	0.09	0.44
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	29	0.45	0.03	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	29	0.45	0.03	0.46
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	29	0.44	0.05	0.45
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	29	0.44	0.01	0.44
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	29	0.43	0.13	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD3	29	0.43	0.13	0.37
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	29	0.43	0.02	0.43
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	29	0.42	0.11	0.4
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	29	0.42	0.02	0.41
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.41	0.1	0.39
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG3	29	0.41	0.1	0.39
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	29	0.4	0.02	0.4
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.4	0.17	0.42
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	29	0.4	0.17	0.42
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4	0.09	0.39
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	29	0.4	0.09	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	29	0.4	0.02	0.39
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	29	0.39	0.05	0.41
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	29	0.39	0.36	0.26
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG3	29	0.39	0.36	0.26
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	29	0.39	0.01	0.39
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	29	0.37	0.02	0.37
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	29	0.37	0.03	0.38
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	29	0.37	0.11	0.4
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	29	0.37	0.11	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	29	0.37	0.11	0.4
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	29	0.37	0.11	0.4
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	29	0.37	0.02	0.37
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	29	0.36	0.06	0.36
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	29	0.35	0.07	0.38
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	29	0.35	0.02	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	29	0.34	0.03	0.35
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	29	0.33	0.01	0.33
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	29	0.33	0.02	0.33
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	29	0.33	0.06	0.33
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	29	0.32	0.04	0.33
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	29	0.32	0.09	0.32
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	29	0.32	0.03	0.32
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	29	0.32	0.02	0.31
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	29	0.31	0.02	0.32
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	29	0.31	0.07	0.34
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	29	0.3	0.03	0.3
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	29	0.3	0.1	0.31
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	29	0.29	0.02	0.29
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	29	0.29	0.02	0.29
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	29	0.29	0.03	0.3
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	29	0.29	0.04	0.29
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	29	0.29	0.08	0.33
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	29	0.28	0.08	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	29	0.28	0.02	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	29	0.28	0.02	0.28
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	29	0.27	0.14	0.23
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	29	0.27	0.08	0.29
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	29	0.27	0.06	0.27
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	29	0.27	0.04	0.27
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	29	0.27	0.21	0.24
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	29	0.27	0.21	0.24
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	29	0.27	0.21	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	29	0.27	0.21	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	29	0.27	0.21	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	29	0.27	0.21	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	29	0.27	0.21	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	29	0.27	0.21	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	29	0.27	0.21	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	29	0.27	0.21	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	29	0.27	0.21	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	29	0.27	0.21	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	29	0.27	0.21	0.24
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	29	0.27	0.21	0.24
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	29	0.27	0.21	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	29	0.27	0.21	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	29	0.27	0.21	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	29	0.27	0.21	0.24
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	29	0.27	0.1	0.25
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	29	0.27	0.02	0.27
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	29	0.27	0.01	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	29	0.26	0.02	0.26
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	29	0.26	0.04	0.26
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	29	0.26	0.11	0.24
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	29	0.26	0.03	0.26
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	29	0.26	0.07	0.26
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	29	0.25	0.02	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	29	0.25	0.02	0.25
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	29	0.25	0.04	0.25
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	29	0.25	0.02	0.24
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	29	0.24	0.06	0.24
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	29	0.24	0.01	0.24
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	29	0.23	0.05	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	29	0.23	0.05	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	29	0.23	0.01	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	29	0.23	0.01	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	29	0.23	0.01	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	29	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	29	0.23	0.01	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	29	0.23	0.01	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	29	0.23	0.01	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	29	0.23	0.01	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	29	0.23	0.01	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	29	0.22	0.02	0.23
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	29	0.21	0.05	0.21
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	29	0.21	0.02	0.21
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	29	0.21	0.02	0.21
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	29	0.2	0.05	0.2
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	29	0.2	0.03	0.2
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	29	0.19	0.02	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	29	0.19	0.02	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	29	0.19	0.02	0.19
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	29	0.19	0.03	0.18
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	29	0.19	0.05	0.18
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	29	0.19	0.05	0.18
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	29	0.19	0.05	0.18
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	29	0.19	0.05	0.18
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	29	0.19	0.05	0.18
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	29	0.19	0.05	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	29	0.19	0.02	0.19
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	29	0.19	0.04	0.19
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	29	0.18	0.03	0.19
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	29	0.18	0.02	0.17
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	29	0.18	0.04	0.16
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,860)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,860)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,2198)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,2198)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	29	0.18	0.03	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	29	0.18	0.03	0.18
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	29	0.18	0.03	0.18
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,11621)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,11621)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,12958)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,12958)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,14302)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,14302)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(1,15640)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	29	0.18	0.03	0.18
(1,15640)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	29	0.18	0.03	0.18
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	29	0.17	0.04	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	29	0.17	0.01	0.17
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	29	0.17	0.03	0.17
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	29	0.17	0.03	0.16
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	29	0.15	0.02	0.15
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	29	0.14	0.02	0.14
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	29	0.13	0.02	0.13
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	29	0.11	0.01	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	29	0.11	0.01	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	29	0.11	0.01	0.12
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	28	1.53	0.06	1.54
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	28	1.11	0.5	1.1
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HB2	28	1.11	0.5	1.1
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	28	1.01	0.5	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HB2	28	1.01	0.5	1.0
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	0.78	0.21	0.84
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	0.78	0.21	0.84
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	0.78	0.21	0.84
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	28	0.73	0.2	0.8
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG3	28	0.73	0.2	0.8
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	28	0.73	0.2	0.8
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG3	28	0.73	0.2	0.8
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	28	0.7	0.42	0.75
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.6	0.07	0.6
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.58	0.35	0.48
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	28	0.58	0.35	0.48
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.4	0.07	0.4
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	28	0.36	0.02	0.36
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	28	0.27	0.07	0.3
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	28	0.27	0.05	0.27
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	28	0.26	0.05	0.27
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	28	0.26	0.05	0.28
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	28	0.25	0.03	0.25
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	28	0.24	0.03	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	28	0.24	0.03	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	28	0.24	0.03	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	28	0.24	0.03	0.23
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	28	0.24	0.05	0.24
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	28	0.2	0.04	0.19
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	28	0.18	0.06	0.17
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	28	0.18	0.03	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	28	0.18	0.03	0.18
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	28	0.17	0.01	0.17
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	28	0.17	0.04	0.16
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	28	0.16	0.02	0.16
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	28	0.16	0.02	0.16
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	28	0.14	0.02	0.15
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	27	1.97	0.68	2.1
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	27	1.97	0.68	2.1
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	27	1.97	0.68	2.1
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	0.94	0.48	0.92
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HB2	27	0.94	0.48	0.92
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	0.94	0.48	0.92
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HB2	27	0.94	0.48	0.92
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	27	0.79	0.4	0.77
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	27	0.79	0.4	0.77
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	27	0.79	0.4	0.77
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	27	0.79	0.4	0.77
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	27	0.72	0.02	0.73
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.7	0.18	0.74
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.7	0.18	0.74
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.6	0.18	0.64
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.6	0.18	0.64
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52	0.1	0.56
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	27	0.42	0.02	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	27	0.42	0.02	0.43
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	27	0.39	0.16	0.46
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	27	0.38	0.07	0.36
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG11	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG12	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG13	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG11	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG12	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG13	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG11	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG12	27	0.3	0.06	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG13	27	0.3	0.06	0.31
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	27	0.28	0.09	0.3
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	27	0.28	0.09	0.3
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD11	27	0.28	0.09	0.3
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	27	0.28	0.09	0.3
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	27	0.28	0.09	0.3
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD11	27	0.28	0.09	0.3
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	27	0.25	0.15	0.2
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	27	0.25	0.11	0.23
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	27	0.24	0.05	0.26
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	27	0.17	0.04	0.17
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	27	0.17	0.02	0.17
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	27	0.17	0.06	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	27	0.16	0.03	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	27	0.16	0.03	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	27	0.16	0.03	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	27	0.16	0.03	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	27	0.16	0.03	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	27	0.16	0.03	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	27	0.16	0.03	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	27	0.16	0.03	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	27	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	27	0.16	0.03	0.16
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	26	0.79	0.21	0.84
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	26	0.72	0.5	0.76
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	26	0.72	0.5	0.76
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	26	0.72	0.5	0.76
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	26	0.46	0.04	0.47
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	26	0.43	0.13	0.41
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	26	0.43	0.13	0.41
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	26	0.35	0.06	0.34
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	26	0.35	0.06	0.34
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	26	0.34	0.04	0.34
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	26	0.25	0.06	0.24
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	26	0.25	0.05	0.25
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	26	0.21	0.07	0.21
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	26	0.21	0.07	0.21
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	26	0.19	0.04	0.2
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	26	0.15	0.02	0.16
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	26	0.13	0.03	0.12
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	25	1.8	0.52	1.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	25	1.8	0.52	1.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	25	1.8	0.52	1.81
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	25	1.07	0.24	1.18
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	25	1.07	0.24	1.18
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	25	1.07	0.24	1.18
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.91	0.16	0.93
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD3	25	0.54	0.27	0.51
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	25	0.54	0.27	0.51
(1,1238)	1:50:A:SER:HB2	1:52:A:LYS:HD2	25	0.54	0.27	0.51
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD3	25	0.54	0.27	0.51
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	25	0.54	0.27	0.51
(1,2578)	1:50:A:SER:HB2	1:52:A:LYS:HD2	25	0.54	0.27	0.51
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD3	25	0.54	0.27	0.51
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	25	0.54	0.27	0.51
(1,5268)	1:50:A:SER:HB2	1:52:A:LYS:HD2	25	0.54	0.27	0.51
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.49	0.16	0.54
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.49	0.16	0.54
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.49	0.16	0.54
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	25	0.36	0.12	0.34
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	25	0.36	0.12	0.34
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	25	0.36	0.12	0.34
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	25	0.26	0.07	0.28
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	25	0.22	0.06	0.21
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE3	25	0.22	0.06	0.21
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	25	0.22	0.06	0.21
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE3	25	0.22	0.06	0.21
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	25	0.22	0.06	0.21
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE3	25	0.22	0.06	0.21
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	25	0.22	0.06	0.21
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE3	25	0.22	0.06	0.21
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	25	0.22	0.06	0.21
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE3	25	0.22	0.06	0.21
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	25	0.22	0.06	0.21
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE3	25	0.22	0.06	0.21
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.21	0.06	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.21	0.06	0.2
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.21	0.06	0.2
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.21	0.06	0.2
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.21	0.06	0.2
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.21	0.06	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	25	0.19	0.03	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	25	0.19	0.03	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	25	0.19	0.03	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	25	0.19	0.03	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	25	0.19	0.03	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	25	0.19	0.03	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	25	0.18	0.04	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	25	0.18	0.04	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	25	0.18	0.04	0.19
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	25	0.18	0.05	0.18
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	25	0.15	0.03	0.15
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	25	0.15	0.02	0.15
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	25	0.13	0.02	0.13
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	24	0.99	0.33	1.08
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	24	0.74	0.1	0.74
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	24	0.64	0.1	0.64
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,1251)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,2591)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,3938)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,5281)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,6619)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,7972)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,9324)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,10667)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,12005)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,13346)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,14684)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,16015)	1:80:A:GLN:HG2	1:106:A:VAL:HB	24	0.42	0.11	0.4
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.4	0.2	0.38
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	24	0.32	0.12	0.32
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	24	0.26	0.2	0.13
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	24	0.25	0.1	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	24	0.23	0.06	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23	0.06	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23	0.06	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23	0.06	0.24
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	24	0.17	0.02	0.17
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	24	0.13	0.03	0.12
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	24	0.13	0.03	0.12
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	24	0.13	0.01	0.13
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	23	0.99	0.45	0.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	23	0.99	0.45	0.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	23	0.99	0.45	0.91
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	23	0.89	0.45	0.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	23	0.89	0.45	0.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	23	0.89	0.45	0.81
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	23	0.56	0.17	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	23	0.45	0.23	0.4
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,6405)	1:69:A:VAL:HG11	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,6405)	1:69:A:VAL:HG12	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,6405)	1:69:A:VAL:HG13	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,9118)	1:69:A:VAL:HG11	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,9118)	1:69:A:VAL:HG12	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,9118)	1:69:A:VAL:HG13	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,10462)	1:69:A:VAL:HG11	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,10462)	1:69:A:VAL:HG12	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,10462)	1:69:A:VAL:HG13	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,13145)	1:69:A:VAL:HG11	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,13145)	1:69:A:VAL:HG12	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,13145)	1:69:A:VAL:HG13	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,14485)	1:69:A:VAL:HG11	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,14485)	1:69:A:VAL:HG12	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,14485)	1:69:A:VAL:HG13	1:29:A:ALA:HA	23	0.29	0.08	0.3
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	23	0.25	0.05	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	23	0.25	0.05	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	23	0.25	0.05	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	23	0.25	0.05	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	23	0.25	0.05	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	23	0.25	0.05	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	23	0.25	0.05	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	23	0.25	0.05	0.24
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.23	0.06	0.24
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	23	0.16	0.02	0.17
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	23	0.14	0.03	0.13
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	23	0.12	0.02	0.12
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	23	0.12	0.02	0.12
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	22	2.01	0.9	2.55
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	22	2.01	0.9	2.55
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	22	2.01	0.9	2.55
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	22	2.01	0.9	2.55
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	22	2.01	0.9	2.55
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	22	2.01	0.9	2.55
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD22	22	0.4	0.12	0.44
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	22	0.4	0.12	0.44
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD21	22	0.4	0.12	0.44
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HG	22	0.4	0.12	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD12	22	0.4	0.12	0.44
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD11	22	0.4	0.12	0.44
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	22	0.34	0.18	0.33
(1,905)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	22	0.34	0.18	0.33
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	22	0.34	0.18	0.33
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	22	0.32	0.09	0.32
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	22	0.32	0.09	0.32
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	22	0.32	0.09	0.32
(1,4939)	1:33:A:LEU:HD11	1:33:A:LEU:HA	22	0.32	0.09	0.32
(1,4939)	1:33:A:LEU:HD12	1:33:A:LEU:HA	22	0.32	0.09	0.32
(1,4939)	1:33:A:LEU:HD13	1:33:A:LEU:HA	22	0.32	0.09	0.32
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.28	0.25	0.16
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	22	0.28	0.11	0.32
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.22	0.06	0.22
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB2	22	0.22	0.06	0.22
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	22	0.2	0.04	0.22
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	22	0.18	0.03	0.18
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	22	0.18	0.05	0.18
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	22	0.16	0.04	0.16
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	22	0.14	0.04	0.12
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	22	0.14	0.04	0.12
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	22	0.14	0.04	0.12
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	22	0.14	0.04	0.13
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	22	0.14	0.04	0.13
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	22	0.13	0.02	0.12
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	21	1.34	0.2	1.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	21	1.34	0.2	1.41
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	21	1.34	0.2	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	21	1.34	0.2	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	21	1.34	0.2	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	21	1.34	0.2	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	21	1.34	0.2	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	21	1.34	0.2	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	21	1.34	0.2	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	21	1.34	0.2	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	21	1.34	0.2	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	21	1.34	0.2	1.41
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	21	0.79	0.74	0.4
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	21	0.79	0.74	0.4
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	21	0.79	0.74	0.4
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	21	0.37	0.03	0.36
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.33	0.1	0.34
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD22	21	0.31	0.11	0.34
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	21	0.31	0.11	0.34
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD21	21	0.31	0.11	0.34
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD12	21	0.31	0.11	0.34
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD11	21	0.31	0.11	0.34
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	21	0.21	0.07	0.2
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	21	0.2	0.05	0.19
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	21	0.17	0.05	0.16
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.16	0.04	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.16	0.04	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.16	0.04	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.16	0.04	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.16	0.04	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.16	0.04	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.16	0.04	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.16	0.04	0.14
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	21	0.14	0.02	0.15
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	21	0.13	0.02	0.13
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	21	0.13	0.02	0.13
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	21	0.13	0.02	0.13
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	21	0.13	0.02	0.13
(3,565)	1:93:A:THR:H	1:92:A:SER:H	21	0.12	0.02	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	21	0.12	0.01	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	21	0.12	0.01	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	21	0.12	0.01	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	21	0.12	0.01	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	21	0.12	0.01	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	21	0.12	0.01	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	21	0.12	0.01	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	21	0.12	0.01	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	21	0.12	0.01	0.11
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	20	0.93	0.27	0.91
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	20	0.93	0.27	0.91
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	20	0.93	0.27	0.91
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	20	0.83	0.27	0.81
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	20	0.83	0.27	0.81
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	20	0.83	0.27	0.81
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	20	0.63	0.27	0.61
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	20	0.63	0.27	0.61
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	20	0.63	0.27	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	20	0.63	0.27	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	20	0.63	0.27	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	20	0.63	0.27	0.61
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.49	0.32	0.44
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.49	0.32	0.44
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.49	0.32	0.44
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.49	0.32	0.44
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	20	0.29	0.04	0.3
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	20	0.21	0.05	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,1043)	1:69:A:VAL:HG11	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,1043)	1:69:A:VAL:HG12	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,1043)	1:69:A:VAL:HG13	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,2380)	1:69:A:VAL:HG11	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,2380)	1:69:A:VAL:HG12	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,2380)	1:69:A:VAL:HG13	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,5066)	1:69:A:VAL:HG11	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,5066)	1:69:A:VAL:HG12	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,5066)	1:69:A:VAL:HG13	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,7757)	1:69:A:VAL:HG11	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,7757)	1:69:A:VAL:HG12	1:29:A:ALA:HA	20	0.21	0.05	0.22
(1,7757)	1:69:A:VAL:HG13	1:29:A:ALA:HA	20	0.21	0.05	0.22
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	20	0.21	0.09	0.19
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	20	0.13	0.02	0.14
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	20	0.12	0.01	0.12
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	19	0.63	0.23	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	19	0.63	0.23	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	19	0.63	0.23	0.56
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	19	0.23	0.06	0.24
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	19	0.18	0.04	0.19
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.17	0.04	0.16
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	19	0.17	0.04	0.17
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	19	0.14	0.02	0.14
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	19	0.12	0.01	0.12
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	19	0.12	0.01	0.12
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	18	0.54	0.3	0.5
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	18	0.5	0.21	0.42
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.43	0.08	0.45
(1,3587)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(1,3587)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(1,3587)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(1,6267)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(1,6267)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(1,6267)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(1,8977)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(1,8977)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(1,8977)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	18	0.39	0.42	0.24
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	18	0.32	0.09	0.36
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	18	0.28	0.25	0.18
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	18	0.28	0.1	0.24
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.26	0.08	0.26
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.26	0.08	0.26
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.26	0.08	0.26
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.26	0.08	0.26
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	18	0.18	0.09	0.15
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	18	0.18	0.09	0.15
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	18	0.18	0.09	0.15
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB2	18	0.18	0.09	0.15
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB2	18	0.18	0.09	0.15
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB2	18	0.18	0.09	0.15
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	17	1.24	0.8	1.54
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	17	1.05	0.69	1.51
(1,3851)	1:52:A:LYS:HD2	1:48:A:ASP:HB2	17	1.05	0.69	1.51
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.93	0.5	1.15
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.93	0.5	1.15
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.93	0.5	1.15
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.93	0.5	1.15
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.93	0.5	1.15
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.93	0.5	1.15
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.59	0.1	0.57
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.49	0.1	0.47
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.49	0.1	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.49	0.1	0.47
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	17	0.39	0.02	0.39
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.39	0.1	0.37
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	17	0.37	0.15	0.4
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	17	0.35	0.03	0.35
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	17	0.35	0.03	0.35
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	17	0.35	0.03	0.35
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	17	0.35	0.03	0.35
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	17	0.35	0.03	0.35
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	17	0.35	0.03	0.35
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	17	0.35	0.03	0.35
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	17	0.31	0.05	0.3
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.29	0.1	0.27
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.29	0.1	0.27
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.29	0.1	0.27
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.29	0.1	0.27
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.29	0.1	0.27
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	17	0.25	0.03	0.25
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	17	0.21	0.02	0.21
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	17	0.18	0.06	0.18
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	17	0.16	0.06	0.15
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	17	0.16	0.06	0.15
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	17	0.15	0.03	0.14
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	17	0.15	0.03	0.14
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	17	0.14	0.03	0.14
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.81	0.39	0.8
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	16	0.8	0.3	0.87
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.73	0.36	0.76
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	16	0.27	0.05	0.29
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.15	0.03	0.15
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.15	0.03	0.15
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	16	0.15	0.03	0.15
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	16	0.15	0.02	0.15
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	16	0.14	0.02	0.14
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	16	0.11	0.01	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	16	0.11	0.01	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	16	0.11	0.01	0.11
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	15	0.74	0.25	0.77
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	15	0.74	0.25	0.77
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.52	0.27	0.4
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.52	0.27	0.4
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	15	0.42	0.06	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4928)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.33	0.45	0.14
(1,4928)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	15	0.33	0.45	0.14
(1,4928)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	15	0.33	0.45	0.14
(1,10322)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.33	0.45	0.14
(1,10322)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	15	0.33	0.45	0.14
(1,10322)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	15	0.33	0.45	0.14
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	15	0.32	0.07	0.32
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	15	0.27	0.08	0.25
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.24	0.12	0.19
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	15	0.23	0.05	0.24
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	15	0.23	0.05	0.23
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	15	0.22	0.03	0.23
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	15	0.22	0.06	0.22
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	15	0.22	0.06	0.22
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	15	0.2	0.04	0.21
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	15	0.19	0.05	0.17
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	15	0.19	0.05	0.17
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	15	0.19	0.05	0.17
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,3598)	1:33:A:LEU:HD11	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,3598)	1:33:A:LEU:HD12	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,3598)	1:33:A:LEU:HD13	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,6278)	1:33:A:LEU:HD11	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,6278)	1:33:A:LEU:HD12	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,6278)	1:33:A:LEU:HD13	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16	0.08	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,7628)	1:33:A:LEU:HD11	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,7628)	1:33:A:LEU:HD12	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,7628)	1:33:A:LEU:HD13	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,8988)	1:33:A:LEU:HD11	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,8988)	1:33:A:LEU:HD12	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,8988)	1:33:A:LEU:HD13	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,10332)	1:33:A:LEU:HD11	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,10332)	1:33:A:LEU:HD12	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,10332)	1:33:A:LEU:HD13	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,11680)	1:33:A:LEU:HD11	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,11680)	1:33:A:LEU:HD12	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,11680)	1:33:A:LEU:HD13	1:33:A:LEU:HA	15	0.16	0.08	0.15
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	15	0.15	0.03	0.13
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	15	0.14	0.03	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	15	0.12	0.01	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	15	0.12	0.01	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	15	0.12	0.01	0.12
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	15	0.11	0.01	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	15	0.11	0.01	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	15	0.11	0.01	0.11
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	1.1	0.3	1.16
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.83	0.29	0.8
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.83	0.29	0.8
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.83	0.29	0.8
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.83	0.29	0.8
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.83	0.29	0.8
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.83	0.29	0.8
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.83	0.29	0.8
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.83	0.29	0.8
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	14	0.71	0.55	0.5
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	14	0.71	0.55	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	14	0.71	0.55	0.5
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	14	0.71	0.55	0.5
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	14	0.71	0.55	0.5
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	14	0.71	0.55	0.5
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	14	0.71	0.55	0.5
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	14	0.71	0.55	0.5
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	14	0.54	0.36	0.44
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	14	0.54	0.36	0.44
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.48	0.25	0.44
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	14	0.3	0.12	0.31
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	14	0.3	0.12	0.31
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	14	0.3	0.12	0.31
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	14	0.3	0.12	0.31
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	14	0.3	0.12	0.31
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	14	0.3	0.12	0.31
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	14	0.28	0.03	0.29
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	14	0.23	0.08	0.2
(1,2242)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	14	0.22	0.18	0.14
(1,2242)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	14	0.22	0.18	0.14
(1,2242)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	14	0.22	0.18	0.14
(1,7618)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	14	0.22	0.18	0.14
(1,7618)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	14	0.22	0.18	0.14
(1,7618)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	14	0.22	0.18	0.14
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	14	0.22	0.08	0.22
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	14	0.2	0.06	0.22
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	14	0.19	0.05	0.19
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	14	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	14	0.17	0.05	0.16
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	14	0.17	0.05	0.16
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.16	0.05	0.15
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE3	14	0.16	0.05	0.15
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.16	0.05	0.15
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE3	14	0.16	0.05	0.15
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.16	0.05	0.15
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE3	14	0.16	0.05	0.15
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	14	0.16	0.04	0.15
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	14	0.13	0.02	0.13
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	13	1.09	0.25	1.11
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	13	1.09	0.25	1.11
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	13	1.09	0.25	1.11
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	1.08	0.13	1.07
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	1.08	0.13	1.07
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	1.08	0.13	1.07
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	1.08	0.13	1.07
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	13	0.99	0.25	1.01
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	13	0.99	0.25	1.01
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	13	0.99	0.25	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	13	0.99	0.25	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	13	0.99	0.25	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	13	0.99	0.25	1.01
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	13	0.99	0.25	1.01
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	13	0.99	0.25	1.01
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	13	0.99	0.25	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	13	0.99	0.25	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	13	0.99	0.25	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	13	0.99	0.25	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	13	0.99	0.25	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	13	0.99	0.25	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	13	0.99	0.25	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	13	0.99	0.25	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	13	0.99	0.25	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	13	0.99	0.25	1.01
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	0.98	0.13	0.97
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	0.88	0.13	0.87
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	0.88	0.13	0.87
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	0.88	0.13	0.87
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	0.88	0.13	0.87
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.86	0.25	0.83
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.86	0.25	0.83

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.86	0.25	0.83
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.86	0.25	0.83
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.86	0.25	0.83
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	0.78	0.13	0.77
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.76	0.25	0.73
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.76	0.25	0.73
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.76	0.25	0.73
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.76	0.25	0.73
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.76	0.25	0.73
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	13	0.74	0.02	0.73
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	13	0.74	0.02	0.73
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	13	0.74	0.02	0.73
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	13	0.74	0.02	0.73
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	13	0.74	0.02	0.73
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	13	0.74	0.02	0.73
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	13	0.68	0.13	0.67
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	13	0.66	0.16	0.65
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	13	0.66	0.16	0.65
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	13	0.66	0.16	0.65
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.66	0.28	0.65
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.66	0.28	0.65
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	13	0.64	0.02	0.63
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	13	0.56	0.16	0.55
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.56	0.25	0.53
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.56	0.28	0.55
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	13	0.51	0.18	0.48
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	13	0.46	0.16	0.45
(1,14570)	1:22:A:ILE:HG22	1:74:A:LEU:HD13	13	0.41	0.12	0.39
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD12	13	0.41	0.12	0.39
(1,14570)	1:22:A:ILE:HG21	1:74:A:LEU:HD11	13	0.41	0.12	0.39
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD13	13	0.41	0.12	0.39
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD11	13	0.41	0.12	0.39
(1,14570)	1:22:A:ILE:HG21	1:74:A:LEU:HD12	13	0.41	0.12	0.39
(1,14570)	1:22:A:ILE:HG22	1:74:A:LEU:HD11	13	0.41	0.12	0.39
(1,15903)	1:22:A:ILE:HG22	1:74:A:LEU:HD13	13	0.41	0.12	0.39
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD12	13	0.41	0.12	0.39
(1,15903)	1:22:A:ILE:HG21	1:74:A:LEU:HD11	13	0.41	0.12	0.39
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD13	13	0.41	0.12	0.39
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD11	13	0.41	0.12	0.39
(1,15903)	1:22:A:ILE:HG21	1:74:A:LEU:HD12	13	0.41	0.12	0.39
(1,15903)	1:22:A:ILE:HG22	1:74:A:LEU:HD11	13	0.41	0.12	0.39
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	13	0.39	0.18	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	13	0.39	0.18	0.44
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	13	0.39	0.18	0.44
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	13	0.28	0.11	0.25
(1,16001)	1:80:A:GLN:HG3	1:83:A:PHE:HA	13	0.28	0.11	0.25
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.27	0.12	0.28
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	13	0.24	0.07	0.22
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	13	0.23	0.09	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	13	0.23	0.09	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	13	0.23	0.09	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	13	0.23	0.09	0.25
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	13	0.2	0.06	0.21
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	13	0.14	0.02	0.13
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	13	0.14	0.02	0.13
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	13	0.13	0.02	0.13
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	13	0.13	0.02	0.13
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	13	0.13	0.02	0.13
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	13	0.13	0.02	0.13
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	13	0.13	0.02	0.13
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	13	0.13	0.02	0.13
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	13	0.13	0.02	0.13
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	13	0.13	0.02	0.13
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	13	0.13	0.02	0.13
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	13	0.13	0.01	0.13
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	13	0.13	0.02	0.12
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	13	0.13	0.02	0.12
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	13	0.13	0.02	0.12
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	12	1.61	0.03	1.6
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	12	1.42	0.74	1.6
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	12	1.42	0.74	1.6
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	12	1.42	0.74	1.6
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	12	1.42	0.74	1.6
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	12	1.42	0.74	1.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	12	1.42	0.74	1.6
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	12	0.97	0.21	0.88
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	12	0.85	0.13	0.81
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	12	0.85	0.13	0.81
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	12	0.85	0.13	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	12	0.85	0.13	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	12	0.85	0.13	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	12	0.85	0.13	0.81
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	12	0.85	0.13	0.81
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	12	0.85	0.13	0.81
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	12	0.85	0.13	0.81
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.6	0.19	0.53
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.57	0.18	0.53
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	12	0.44	0.16	0.4
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	12	0.31	0.02	0.32
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	12	0.27	0.08	0.3
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	12	0.24	0.12	0.22
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	12	0.24	0.16	0.2
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	12	0.24	0.16	0.2
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	12	0.24	0.16	0.2
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	12	0.21	0.13	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	12	0.21	0.13	0.16
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	12	0.21	0.13	0.16
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	12	0.21	0.13	0.16
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	12	0.2	0.09	0.18
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,3726)	1:69:A:VAL:HG11	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,3726)	1:69:A:VAL:HG12	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,3726)	1:69:A:VAL:HG13	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,11805)	1:69:A:VAL:HG11	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,11805)	1:69:A:VAL:HG12	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,11805)	1:69:A:VAL:HG13	1:29:A:ALA:HA	12	0.15	0.03	0.14
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	12	0.12	0.02	0.12
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	12	0.12	0.02	0.12
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	12	0.12	0.02	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	12	0.12	0.02	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	12	0.12	0.02	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	12	0.12	0.02	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	12	0.12	0.02	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	12	0.12	0.02	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	12	0.12	0.02	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	12	0.12	0.02	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	12	0.12	0.02	0.11
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	11	1.35	0.11	1.37
(1,1169)	1:52:A:LYS:HD2	1:48:A:ASP:HB2	11	1.35	0.11	1.37
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.56	0.14	0.63
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.56	0.14	0.63
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.56	0.14	0.63
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.56	0.14	0.63
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.56	0.14	0.63
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.56	0.14	0.63
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.56	0.14	0.63
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.56	0.14	0.63
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.55	0.12	0.5
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.53	0.23	0.53
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.53	0.23	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.53	0.23	0.53
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.53	0.23	0.53
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.51	0.14	0.47
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	11	0.35	0.21	0.27
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	11	0.33	0.1	0.32
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	11	0.33	0.1	0.32
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	11	0.33	0.1	0.32
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	11	0.33	0.1	0.32
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	11	0.33	0.1	0.32
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	11	0.33	0.1	0.32
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	11	0.3	0.14	0.32
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	11	0.29	0.39	0.16
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	11	0.22	0.02	0.22
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	11	0.2	0.09	0.17
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	11	0.15	0.03	0.15
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	10	1.46	0.56	1.59
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	10	1.46	0.56	1.59
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	10	1.46	0.56	1.59
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	10	1.46	0.56	1.59
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	10	1.46	0.56	1.59
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	10	1.46	0.56	1.59
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	10	1.46	0.56	1.59
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	10	1.46	0.56	1.59
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	10	1.46	0.56	1.59
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	10	1.46	0.56	1.59
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	10	1.46	0.56	1.59
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	10	1.46	0.56	1.59
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	10	1.46	0.56	1.59
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	10	1.46	0.56	1.59
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	10	1.46	0.56	1.59
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	10	1.46	0.56	1.59
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	10	1.46	0.56	1.59
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	10	1.46	0.56	1.59
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	10	1.46	0.56	1.59
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	10	1.46	0.56	1.59
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	10	1.46	0.56	1.59
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	10	1.46	0.56	1.59
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	10	1.46	0.56	1.59
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	10	1.46	0.56	1.59
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	10	0.49	0.09	0.53
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	10	0.39	0.09	0.43
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	10	0.39	0.09	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	10	0.38	0.12	0.45
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	10	0.32	0.13	0.3
(1,14698)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	10	0.28	0.1	0.26
(1,14698)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	10	0.28	0.1	0.26
(1,14698)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	10	0.28	0.1	0.26
(1,16029)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	10	0.28	0.1	0.26
(1,16029)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	10	0.28	0.1	0.26
(1,16029)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	10	0.28	0.1	0.26
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	10	0.19	0.06	0.18
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	10	0.18	0.03	0.18
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	10	0.18	0.06	0.16
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	10	0.18	0.06	0.16
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	10	0.18	0.06	0.16
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	10	0.18	0.06	0.16
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	10	0.18	0.06	0.16
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	10	0.18	0.06	0.16
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	10	0.14	0.03	0.13
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	10	0.13	0.03	0.12
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	10	0.13	0.03	0.12
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	10	0.13	0.03	0.12
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	10	0.11	0.01	0.12
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	10	0.11	0.01	0.11
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	9	1.39	0.43	1.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	1.39	0.43	1.41
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	1.39	0.43	1.41
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	1.39	0.43	1.41
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.7	0.08	0.72
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.7	0.08	0.72
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.5	0.08	0.52
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.5	0.08	0.52
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.5	0.08	0.52
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.5	0.08	0.52
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.5	0.08	0.52
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.5	0.08	0.52
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.5	0.08	0.52
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.5	0.08	0.52
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.49	0.21	0.36
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HB2	9	0.49	0.21	0.36
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.49	0.21	0.36
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HB2	9	0.49	0.21	0.36
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.49	0.21	0.36
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HB2	9	0.49	0.21	0.36
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.49	0.21	0.36
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HB2	9	0.49	0.21	0.36
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.49	0.21	0.36
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HB2	9	0.49	0.21	0.36
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.49	0.21	0.36
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HB2	9	0.49	0.21	0.36
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	9	0.43	0.14	0.46
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	9	0.43	0.14	0.46
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.4	0.08	0.42
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.4	0.08	0.42
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.4	0.08	0.42
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.4	0.08	0.42
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.4	0.08	0.42
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.4	0.08	0.42
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	9	0.34	0.05	0.36
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	9	0.32	0.06	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.3	0.08	0.32
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.3	0.08	0.32
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.3	0.08	0.32
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD3	9	0.3	0.08	0.32
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	9	0.26	0.33	0.14
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	9	0.26	0.33	0.14
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	9	0.26	0.33	0.14
(1,15671)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	9	0.26	0.33	0.14
(1,15671)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	9	0.26	0.33	0.14
(1,15671)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	9	0.26	0.33	0.14
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG11	9	0.26	0.33	0.14
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG12	9	0.26	0.33	0.14
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG13	9	0.26	0.33	0.14
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	9	0.25	0.05	0.23
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	9	0.18	0.13	0.13
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	9	0.18	0.13	0.13
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	9	0.18	0.13	0.13
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	9	0.16	0.05	0.14
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	9	0.13	0.02	0.13
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	9	0.11	0.01	0.11
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	8	0.77	0.3	0.9
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	8	0.77	0.3	0.9
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	8	0.77	0.3	0.9
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	8	0.49	0.21	0.52
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.43	0.09	0.44
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.43	0.09	0.44
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	8	0.41	0.13	0.44
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	8	0.41	0.13	0.44
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	8	0.41	0.13	0.44
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	8	0.37	0.09	0.36
(1,2360)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,2360)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,2360)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,2360)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,9097)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,9097)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,9097)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,9097)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,15803)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,15803)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,15803)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	8	0.25	0.07	0.24
(1,15803)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	8	0.25	0.07	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD3	8	0.23	0.14	0.16
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.23	0.14	0.16
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD3	8	0.23	0.14	0.16
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.23	0.14	0.16
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD3	8	0.23	0.14	0.16
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.23	0.14	0.16
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	8	0.16	0.11	0.12
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	8	0.14	0.03	0.14
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	8	0.14	0.03	0.14
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	8	0.14	0.03	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	8	0.14	0.03	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	8	0.14	0.03	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	8	0.14	0.03	0.14
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	8	0.12	0.02	0.12
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	8	0.12	0.02	0.12
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	8	0.12	0.02	0.12
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	1.19	0.35	1.31
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	1.19	0.35	1.31
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	1.19	0.35	1.31
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.99	0.35	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.99	0.35	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.99	0.35	1.11
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	7	0.98	0.1	1.01
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	7	0.98	0.1	1.01
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG21	7	0.45	0.19	0.42
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG22	7	0.45	0.19	0.42
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG23	7	0.45	0.19	0.42
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE2	7	0.34	0.14	0.34
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE3	7	0.34	0.14	0.34
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE2	7	0.34	0.14	0.34
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE3	7	0.34	0.14	0.34
(1,3550)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	7	0.31	0.33	0.16
(1,3550)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	7	0.31	0.33	0.16
(1,1072)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.25	0.06	0.24
(1,2411)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.25	0.06	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3755)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.25	0.06	0.24
(1,5094)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.25	0.06	0.24
(1,9146)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.25	0.06	0.24
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	7	0.25	0.09	0.27
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	7	0.25	0.09	0.27
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	7	0.25	0.09	0.27
(1,14501)	1:1:A:ASP:HA	1:2:A:ASP:HB2	7	0.25	0.06	0.24
(1,15838)	1:1:A:ASP:HA	1:2:A:ASP:HB2	7	0.25	0.06	0.24
(3,372)	1:46:A:TRP:HE1	1:45:A:LYS:HB2	7	0.24	0.13	0.19
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD11	7	0.24	0.04	0.24
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD12	7	0.24	0.04	0.24
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD13	7	0.24	0.04	0.24
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	7	0.24	0.21	0.17
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB2	7	0.24	0.21	0.17
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	7	0.24	0.21	0.17
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB2	7	0.24	0.21	0.17
(1,6634)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,6634)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,6634)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,9339)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,9339)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,9339)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,12021)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,12021)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,12021)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,13362)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,13362)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,13362)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	7	0.23	0.08	0.24
(1,14554)	1:93:A:THR:HG22	1:37:A:PRO:HB2	7	0.23	0.1	0.21
(1,14554)	1:93:A:THR:HG23	1:37:A:PRO:HB2	7	0.23	0.1	0.21
(1,14554)	1:93:A:THR:HG21	1:37:A:PRO:HB2	7	0.23	0.1	0.21
(3,310)	1:63:A:TYR:H	1:63:A:TYR:HB2	7	0.19	0.13	0.13
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD2	7	0.19	0.08	0.16
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD3	7	0.19	0.08	0.16
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	7	0.19	0.06	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	7	0.19	0.06	0.2
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	7	0.19	0.06	0.2
(1,112)	1:86:A:GLY:H	1:85:A:GLY:HA2	7	0.18	0.08	0.15
(3,617)	1:98:A:ASP:H	1:97:A:PHE:HB3	7	0.18	0.05	0.16
(3,441)	1:50:A:SER:H	1:49:A:LEU:HB3	7	0.17	0.04	0.17
(3,481)	1:95:A:ASP:H	1:94:A:LYS:HB3	7	0.16	0.06	0.13
(3,408)	1:102:A:PHE:H	1:88:A:ARG:HA	7	0.16	0.03	0.16
(1,8846)	1:85:A:GLY:H	1:104:A:LEU:HB2	7	0.15	0.04	0.14
(1,11544)	1:85:A:GLY:H	1:104:A:LEU:HB2	7	0.15	0.04	0.14
(3,679)	1:104:A:LEU:H	1:103:A:ASN:H	7	0.12	0.01	0.11
(3,324)	1:93:A:THR:H	1:96:A:LYS:H	7	0.11	0.0	0.11
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.38	0.08	1.42
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.38	0.08	1.42
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.38	0.08	1.42
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.38	0.08	1.42
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.38	0.08	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.38	0.08	1.42
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.38	0.08	1.42
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.38	0.08	1.42
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.38	0.08	1.42
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.38	0.08	1.42
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.38	0.08	1.42
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.38	0.08	1.42
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.38	0.08	1.42
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.38	0.08	1.42
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.38	0.08	1.42
(2,30)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,104)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,178)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,259)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,338)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,419)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,497)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,579)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,659)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(2,746)	1:10:A:ARG:H	1:100:A:SER:HB2	6	0.94	0.09	0.96
(1,886)	1:33:A:LEU:HB2	1:33:A:LEU:HG	6	0.55	0.19	0.66
(1,2223)	1:33:A:LEU:HB2	1:33:A:LEU:HG	6	0.55	0.19	0.66
(1,2497)	1:53:A:VAL:HA	1:57:A:LEU:HB2	6	0.53	0.24	0.62
(1,10576)	1:53:A:VAL:HA	1:57:A:LEU:HB2	6	0.53	0.24	0.62
(1,1402)	1:2:A:ASP:H	1:2:A:ASP:HB2	6	0.48	0.08	0.46
(3,318)	1:78:A:ASP:H	1:78:A:ASP:HB2	6	0.41	0.02	0.41
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD21	6	0.4	0.12	0.44
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD22	6	0.4	0.12	0.44
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD23	6	0.4	0.12	0.44
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD11	6	0.4	0.12	0.44
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD12	6	0.4	0.12	0.44
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD13	6	0.4	0.12	0.44
(1,13570)	1:4:A:ILE:H	1:5:A:GLY:HA2	6	0.39	0.09	0.39
(1,75)	1:2:A:ASP:H	1:2:A:ASP:HB2	6	0.38	0.08	0.36
(1,5430)	1:2:A:ASP:H	1:2:A:ASP:HB2	6	0.38	0.08	0.36
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	6	0.33	0.07	0.36
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	6	0.33	0.07	0.36
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	6	0.33	0.07	0.36
(1,2743)	1:2:A:ASP:H	1:2:A:ASP:HB2	6	0.28	0.08	0.26
(1,4092)	1:2:A:ASP:H	1:2:A:ASP:HB2	6	0.28	0.08	0.26
(1,6770)	1:2:A:ASP:H	1:2:A:ASP:HB2	6	0.28	0.08	0.26
(1,8124)	1:2:A:ASP:H	1:2:A:ASP:HB2	6	0.28	0.08	0.26
(1,713)	1:35:A:LYS:H	1:35:A:LYS:HE2	6	0.27	0.12	0.24
(1,2047)	1:35:A:LYS:H	1:35:A:LYS:HE2	6	0.27	0.12	0.24
(1,3449)	1:67:A:SER:H	1:64:A:ASP:HB2	6	0.27	0.13	0.24
(1,6133)	1:67:A:SER:H	1:64:A:ASP:HB2	6	0.27	0.13	0.24
(1,8837)	1:67:A:SER:H	1:64:A:ASP:HB2	6	0.27	0.13	0.24
(1,15556)	1:67:A:SER:H	1:64:A:ASP:HB2	6	0.27	0.13	0.24
(1,9053)	1:57:A:LEU:HG	1:57:A:LEU:HB2	6	0.24	0.12	0.16
(3,207)	1:103:A:ASN:HD21	1:103:A:ASN:HB2	6	0.18	0.02	0.2
(1,7738)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	6	0.18	0.06	0.16
(1,7738)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	6	0.18	0.06	0.16
(1,7738)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	6	0.18	0.06	0.16
(1,7738)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	6	0.18	0.06	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,11787)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	6	0.18	0.06	0.16
(1,11787)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	6	0.18	0.06	0.16
(1,11787)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	6	0.18	0.06	0.16
(1,11787)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	6	0.18	0.06	0.16
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG21	6	0.17	0.07	0.12
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG22	6	0.17	0.07	0.12
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG23	6	0.17	0.07	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG21	6	0.17	0.07	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG22	6	0.17	0.07	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG23	6	0.17	0.07	0.12
(1,5211)	1:18:A:VAL:HG21	1:80:A:GLN:HE21	6	0.16	0.03	0.16
(1,5211)	1:18:A:VAL:HG22	1:80:A:GLN:HE21	6	0.16	0.03	0.16
(1,5211)	1:18:A:VAL:HG23	1:80:A:GLN:HE21	6	0.16	0.03	0.16
(1,944)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.14	0.06	0.12
(1,2280)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.14	0.06	0.12
(1,3625)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.14	0.06	0.12
(1,4967)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.14	0.06	0.12
(1,6306)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.14	0.06	0.12
(1,7656)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.14	0.06	0.12
(1,10360)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.14	0.06	0.12
(1,15985)	1:18:A:VAL:HG21	1:80:A:GLN:HA	6	0.13	0.03	0.12
(1,15985)	1:18:A:VAL:HG22	1:80:A:GLN:HA	6	0.13	0.03	0.12
(1,15985)	1:18:A:VAL:HG23	1:80:A:GLN:HA	6	0.13	0.03	0.12
(3,299)	1:44:A:GLY:H	1:87:A:TYR:HA	6	0.13	0.03	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG11	6	0.12	0.01	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG12	6	0.12	0.01	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG13	6	0.12	0.01	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG11	6	0.12	0.01	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG12	6	0.12	0.01	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG13	6	0.12	0.01	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG11	6	0.12	0.01	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG12	6	0.12	0.01	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG13	6	0.12	0.01	0.12
(1,8935)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	6	0.11	0.01	0.12
(1,8935)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	6	0.11	0.01	0.12
(1,8935)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	6	0.11	0.01	0.12
(3,369)	1:64:A:ASP:H	1:69:A:VAL:H	6	0.11	0.01	0.11
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD11	5	0.84	0.63	0.36
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD12	5	0.84	0.63	0.36
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD13	5	0.84	0.63	0.36
(3,647)	1:54:A:GLY:H	1:58:A:GLN:HE21	5	0.67	0.45	0.86
(1,12987)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.52	0.1	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1157)	1:53:A:VAL:HA	1:57:A:LEU:HB2	5	0.51	0.16	0.54
(1,5178)	1:53:A:VAL:HA	1:57:A:LEU:HB2	5	0.51	0.16	0.54
(1,6521)	1:53:A:VAL:HA	1:57:A:LEU:HB2	5	0.51	0.16	0.54
(1,3568)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.42	0.1	0.47
(1,4909)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.42	0.1	0.47
(1,6248)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.42	0.1	0.47
(1,7599)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.42	0.1	0.47
(1,8958)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.42	0.1	0.47
(1,10303)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.42	0.1	0.47
(1,11652)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.42	0.1	0.47
(1,3840)	1:53:A:VAL:HA	1:57:A:LEU:HB2	5	0.41	0.16	0.44
(3,120)	1:48:A:ASP:H	1:48:A:ASP:HB3	5	0.32	0.12	0.41
(3,623)	1:49:A:LEU:H	1:48:A:ASP:HB3	5	0.27	0.05	0.27
(3,332)	1:26:A:ALA:H	1:25:A:SER:HB3	5	0.26	0.09	0.31
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD21	5	0.24	0.08	0.26
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD22	5	0.24	0.08	0.26
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD23	5	0.24	0.08	0.26
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD11	5	0.24	0.08	0.26
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD12	5	0.24	0.08	0.26
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD13	5	0.24	0.08	0.26
(1,8875)	1:73:A:GLU:H	1:61:A:ASP:HB2	5	0.23	0.08	0.18
(1,6842)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.22	0.08	0.23
(1,9550)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.22	0.08	0.23
(1,10891)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.22	0.08	0.23
(2,433)	1:93:A:THR:HG21	1:36:A:PRO:HD2	5	0.2	0.04	0.22
(2,433)	1:93:A:THR:HG22	1:36:A:PRO:HD2	5	0.2	0.04	0.22
(2,433)	1:93:A:THR:HG23	1:36:A:PRO:HD2	5	0.2	0.04	0.22
(2,511)	1:93:A:THR:HG21	1:36:A:PRO:HD2	5	0.2	0.04	0.22
(2,511)	1:93:A:THR:HG22	1:36:A:PRO:HD2	5	0.2	0.04	0.22
(2,511)	1:93:A:THR:HG23	1:36:A:PRO:HD2	5	0.2	0.04	0.22
(1,5057)	1:35:A:LYS:HA	1:36:A:PRO:HD2	5	0.2	0.01	0.2
(1,14222)	1:44:A:GLY:H	1:43:A:LYS:HD2	5	0.17	0.03	0.17
(1,14222)	1:44:A:GLY:H	1:43:A:LYS:HD3	5	0.17	0.03	0.17
(3,31)	1:53:A:VAL:H	1:53:A:VAL:HB	5	0.16	0.04	0.17
(3,126)	1:79:A:ALA:H	1:78:A:ASP:H	5	0.14	0.03	0.15
(1,12965)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	5	0.14	0.04	0.13
(1,14310)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	5	0.14	0.04	0.13
(1,9501)	1:65:A:ARG:H	1:65:A:ARG:HG2	5	0.14	0.03	0.14
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.14	0.02	0.13
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.14	0.02	0.13
(1,11574)	1:58:A:GLN:H	1:74:A:LEU:HA	5	0.13	0.02	0.13
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD21	5	0.12	0.01	0.12
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD22	5	0.12	0.01	0.12
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD23	5	0.12	0.01	0.12
(3,503)	1:100:A:SER:H	1:99:A:CYS:HB3	5	0.12	0.01	0.12
(3,533)	1:101:A:ASN:H	1:101:A:ASN:HB2	5	0.11	0.01	0.11
(1,11513)	1:106:A:VAL:H	1:105:A:THR:H	5	0.11	0.01	0.1
(3,9)	1:95:A:ASP:H	1:95:A:ASP:HA	5	0.1	0.0	0.1
(1,10284)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	4	1.02	0.01	1.02
(1,11633)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	4	1.02	0.01	1.02
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD11	4	0.78	0.63	0.75
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD12	4	0.78	0.63	0.75
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD13	4	0.78	0.63	0.75
(1,13617)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.59	0.04	0.57
(1,13617)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.59	0.04	0.57
(1,693)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	4	0.52	0.26	0.51
(1,1522)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.49	0.04	0.48
(1,1522)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.49	0.04	0.48
(1,2232)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.42	0.01	0.42
(3,122)	1:50:A:SER:H	1:50:A:SER:HB3	4	0.4	0.01	0.4
(1,2862)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.39	0.04	0.38
(1,2862)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.39	0.04	0.38
(1,4210)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.39	0.04	0.38
(1,4210)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.39	0.04	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5548)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.39	0.04	0.38
(1,5548)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.39	0.04	0.38
(1,10939)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.39	0.04	0.38
(1,10939)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.39	0.04	0.38
(1,12277)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.39	0.04	0.38
(1,12277)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.39	0.04	0.38
(1,13258)	1:53:A:VAL:HA	1:57:A:LEU:HB2	4	0.39	0.07	0.38
(1,895)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,3577)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,4918)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,6257)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,7608)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,8967)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,10312)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,11660)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,12995)	1:50:A:SER:HB2	1:50:A:SER:HA	4	0.32	0.01	0.32
(1,192)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.29	0.04	0.28
(1,192)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.29	0.04	0.28
(1,6890)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.29	0.04	0.28
(1,6890)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.29	0.04	0.28
(1,8245)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.29	0.04	0.28
(1,8245)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.29	0.04	0.28
(1,9596)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.29	0.04	0.28
(1,9596)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.29	0.04	0.28
(1,9233)	1:53:A:VAL:HA	1:57:A:LEU:HB2	4	0.29	0.07	0.29
(1,11916)	1:53:A:VAL:HA	1:57:A:LEU:HB2	4	0.29	0.07	0.29
(1,14650)	1:57:A:LEU:HB2	1:53:A:VAL:HA	4	0.29	0.07	0.29
(1,15981)	1:57:A:LEU:HB2	1:53:A:VAL:HA	4	0.29	0.07	0.29
(1,2179)	1:101:A:ASN:H	1:100:A:SER:HB2	4	0.24	0.01	0.24
(1,3391)	1:35:A:LYS:H	1:35:A:LYS:HE2	4	0.24	0.1	0.22
(1,8777)	1:35:A:LYS:H	1:35:A:LYS:HE2	4	0.24	0.1	0.22
(3,547)	1:46:A:TRP:H	1:46:A:TRP:HB2	4	0.22	0.02	0.22
(1,3914)	1:33:A:LEU:HG	1:35:A:LYS:HA	4	0.22	0.09	0.22
(1,11981)	1:33:A:LEU:HG	1:35:A:LYS:HA	4	0.22	0.09	0.22
(1,3953)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	4	0.2	0.04	0.2
(1,3953)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	4	0.2	0.04	0.2
(1,3953)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	4	0.2	0.04	0.2
(3,80)	1:2:A:ASP:H	1:2:A:ASP:HB2	4	0.19	0.06	0.18
(1,1264)	1:49:A:LEU:HA	1:52:A:LYS:HG2	4	0.19	0.04	0.19
(1,1264)	1:49:A:LEU:HA	1:52:A:LYS:HG3	4	0.19	0.04	0.19
(1,14331)	1:33:A:LEU:HB2	1:33:A:LEU:HG	4	0.17	0.01	0.18
(1,15665)	1:33:A:LEU:HB2	1:33:A:LEU:HG	4	0.17	0.01	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,61)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(2,135)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(2,210)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(2,367)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(2,452)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(2,533)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(2,613)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(2,698)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(2,844)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.16	0.02	0.16
(1,5185)	1:59:A:LEU:HD11	1:43:A:LYS:HB2	4	0.16	0.05	0.14
(1,5185)	1:59:A:LEU:HD12	1:43:A:LYS:HB2	4	0.16	0.05	0.14
(1,5185)	1:59:A:LEU:HD13	1:43:A:LYS:HB2	4	0.16	0.05	0.14
(3,64)	1:17:A:THR:H	1:17:A:THR:HB	4	0.16	0.05	0.14
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE1	4	0.15	0.02	0.14
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE2	4	0.15	0.02	0.14
(3,208)	1:61:A:ASP:H	1:60:A:HIS:HB3	4	0.15	0.01	0.15
(1,14651)	1:33:A:LEU:HA	1:34:A:LEU:HA	4	0.15	0.02	0.14
(1,2201)	1:81:A:PRO:HB2	1:81:A:PRO:HA	4	0.14	0.02	0.15
(1,6226)	1:81:A:PRO:HB2	1:81:A:PRO:HA	4	0.14	0.02	0.15
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	4	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	4	0.14	0.02	0.13
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	4	0.14	0.02	0.13
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	4	0.13	0.02	0.13
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	4	0.13	0.02	0.13
(3,627)	1:99:A:CYS:H	1:98:A:ASP:HB2	4	0.13	0.02	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	4	0.13	0.01	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	4	0.13	0.01	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	4	0.13	0.01	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	4	0.13	0.01	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	4	0.13	0.01	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	4	0.13	0.01	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	4	0.13	0.01	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	4	0.13	0.01	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	4	0.13	0.01	0.12
(1,6445)	1:43:A:LYS:HD3	1:57:A:LEU:HG	4	0.13	0.01	0.13
(1,6445)	1:43:A:LYS:HD2	1:57:A:LEU:HG	4	0.13	0.01	0.13
(1,9156)	1:43:A:LYS:HD3	1:57:A:LEU:HG	4	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,9156)	1:43:A:LYS:HD2	1:57:A:LEU:HG	4	0.13	0.01	0.13
(3,411)	1:10:A:ARG:H	1:10:A:ARG:HB2	4	0.13	0.02	0.12
(1,5198)	1:36:A:PRO:HD2	1:36:A:PRO:HB2	4	0.12	0.01	0.12
(3,736)	1:10:A:ARG:H	1:9:A:MET:HB2	4	0.12	0.01	0.12
(3,704)	1:84:A:THR:H	1:83:A:PHE:HA	4	0.11	0.01	0.12
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	3	1.06	0.22	1.11
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	3	1.06	0.22	1.11
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	3	1.06	0.22	1.11
(2,40)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,114)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,186)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,268)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,346)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,427)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,505)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,588)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,668)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,753)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,827)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(2,907)	1:21:A:SER:HB2	1:23:A:THR:HB	3	0.82	0.29	0.65
(1,3890)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,5230)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,6573)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,7922)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,9281)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,10621)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,11956)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,13299)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,14637)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,15969)	1:52:A:LYS:HG2	1:53:A:VAL:HB	3	0.62	0.08	0.61
(1,189)	1:52:A:LYS:H	1:52:A:LYS:HG2	3	0.52	0.09	0.55
(1,4352)	1:38:A:VAL:H	1:35:A:LYS:HD2	3	0.3	0.09	0.25
(1,4352)	1:38:A:VAL:H	1:35:A:LYS:HD3	3	0.3	0.09	0.25
(1,5688)	1:38:A:VAL:H	1:35:A:LYS:HD2	3	0.3	0.09	0.25
(1,5688)	1:38:A:VAL:H	1:35:A:LYS:HD3	3	0.3	0.09	0.25
(1,7034)	1:38:A:VAL:H	1:35:A:LYS:HD2	3	0.3	0.09	0.25
(1,7034)	1:38:A:VAL:H	1:35:A:LYS:HD3	3	0.3	0.09	0.25
(1,11081)	1:38:A:VAL:H	1:35:A:LYS:HD2	3	0.3	0.09	0.25
(1,11081)	1:38:A:VAL:H	1:35:A:LYS:HD3	3	0.3	0.09	0.25
(1,13756)	1:38:A:VAL:H	1:35:A:LYS:HD2	3	0.3	0.09	0.25
(1,13756)	1:38:A:VAL:H	1:35:A:LYS:HD3	3	0.3	0.09	0.25
(2,35)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,109)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,182)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,264)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,342)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,423)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,501)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,584)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,665)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,750)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,825)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(2,905)	1:41:A:TRP:HA	1:90:A:GLU:HB2	3	0.23	0.12	0.16
(1,13606)	1:96:A:LYS:H	1:96:A:LYS:HG3	3	0.22	0.08	0.2
(1,4908)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	3	0.22	0.03	0.23
(1,7598)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	3	0.22	0.03	0.23
(1,10302)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	3	0.22	0.03	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,12986)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	3	0.22	0.03	0.23
(1,15664)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	3	0.22	0.03	0.23
(1,3453)	1:83:A:PHE:H	1:80:A:GLN:HG3	3	0.21	0.03	0.19
(1,6137)	1:83:A:PHE:H	1:80:A:GLN:HG3	3	0.21	0.03	0.19
(1,10188)	1:83:A:PHE:H	1:80:A:GLN:HG3	3	0.21	0.03	0.19
(1,12874)	1:83:A:PHE:H	1:80:A:GLN:HG3	3	0.21	0.03	0.19
(3,241)	1:22:A:ILE:H	1:21:A:SER:HB2	3	0.21	0.04	0.19
(1,330)	1:38:A:VAL:H	1:35:A:LYS:HD2	3	0.2	0.09	0.15
(1,330)	1:38:A:VAL:H	1:35:A:LYS:HD3	3	0.2	0.09	0.15
(1,3004)	1:38:A:VAL:H	1:35:A:LYS:HD2	3	0.2	0.09	0.15
(1,3004)	1:38:A:VAL:H	1:35:A:LYS:HD3	3	0.2	0.09	0.15
(1,12418)	1:38:A:VAL:H	1:35:A:LYS:HD2	3	0.2	0.09	0.15
(1,12418)	1:38:A:VAL:H	1:35:A:LYS:HD3	3	0.2	0.09	0.15
(1,13750)	1:58:A:GLN:HE22	1:76:A:ILE:HG12	3	0.2	0.04	0.22
(1,146)	1:4:A:ILE:H	1:5:A:GLY:HA2	3	0.17	0.04	0.17
(1,4164)	1:4:A:ILE:H	1:5:A:GLY:HA2	3	0.17	0.04	0.17
(1,5501)	1:4:A:ILE:H	1:5:A:GLY:HA2	3	0.17	0.04	0.17
(1,8197)	1:4:A:ILE:H	1:5:A:GLY:HA2	3	0.17	0.04	0.17
(1,14917)	1:4:A:ILE:H	1:5:A:GLY:HA2	3	0.17	0.04	0.17
(1,1324)	1:63:A:TYR:HE1	1:65:A:ARG:HG2	3	0.16	0.06	0.12
(1,1324)	1:63:A:TYR:HE2	1:65:A:ARG:HG2	3	0.16	0.06	0.12
(1,1324)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	3	0.16	0.06	0.12
(1,1324)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	3	0.16	0.06	0.12
(3,641)	1:89:A:CYS:H	1:101:A:ASN:HA	3	0.16	0.06	0.13
(1,7776)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,7776)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,7776)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,7776)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	3	0.15	0.0	0.15
(1,7776)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	3	0.15	0.0	0.15
(1,7776)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	3	0.15	0.0	0.15
(1,11823)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,11823)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,11823)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,11823)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	3	0.15	0.0	0.15
(1,11823)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	3	0.15	0.0	0.15
(1,11823)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	3	0.15	0.0	0.15
(1,14504)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,14504)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,14504)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	3	0.15	0.0	0.15
(1,14504)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	3	0.15	0.0	0.15
(1,14504)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	3	0.15	0.0	0.15
(1,14504)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	3	0.15	0.0	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,341)	1:38:A:VAL:H	1:37:A:PRO:HB3	3	0.15	0.02	0.16
(3,312)	1:18:A:VAL:H	1:108:A:GLU:HA	3	0.14	0.03	0.15
(1,12371)	1:43:A:LYS:H	1:47:A:VAL:HB	3	0.13	0.03	0.11
(3,331)	1:66:A:ALA:H	1:68:A:LYS:H	3	0.13	0.03	0.11
(3,484)	1:100:A:SER:H	1:99:A:CYS:HB2	3	0.11	0.01	0.11
(3,157)	1:83:A:PHE:H	1:82:A:ALA:HA	3	0.11	0.01	0.11
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG21	3	0.11	0.0	0.11
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG22	3	0.11	0.0	0.11
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG23	3	0.11	0.0	0.11
(1,2229)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.38	0.18	1.38
(1,2229)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.38	0.18	1.38
(1,2229)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.38	0.18	1.38
(1,2229)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.38	0.18	1.38
(1,2229)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.38	0.18	1.38
(1,2229)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.38	0.18	1.38
(1,3574)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.38	0.18	1.38
(1,3574)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.38	0.18	1.38
(1,3574)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.38	0.18	1.38
(1,3574)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.38	0.18	1.38
(1,3574)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.38	0.18	1.38
(1,3574)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.38	0.18	1.38
(1,4915)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.38	0.18	1.38
(1,4915)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.38	0.18	1.38
(1,4915)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.38	0.18	1.38
(1,4915)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.38	0.18	1.38
(1,4915)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.38	0.18	1.38
(1,4915)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.38	0.18	1.38
(1,6254)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.38	0.18	1.38
(1,6254)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.38	0.18	1.38
(1,6254)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.38	0.18	1.38
(1,6254)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.38	0.18	1.38
(1,6254)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.38	0.18	1.38
(1,6254)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.38	0.18	1.38
(1,978)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,978)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,978)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,978)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,978)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,978)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,3659)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,3659)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,3659)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3659)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,3659)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,3659)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,6338)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,6338)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,6338)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,6338)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,6338)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,6338)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,7689)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,7689)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,7689)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,7689)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,7689)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,7689)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,9049)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,9049)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,9049)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,9049)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,9049)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,9049)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,10393)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,10393)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,10393)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,10393)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,10393)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,10393)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,11739)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,11739)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,11739)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,11739)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,11739)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,11739)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,13076)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,13076)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,13076)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,13076)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,13076)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,13076)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,14420)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,14420)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,14420)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,14420)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,14420)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,14420)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,15755)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,15755)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,15755)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,15755)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.3	0.32	1.3
(1,15755)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.3	0.32	1.3
(1,15755)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.3	0.32	1.3
(1,1025)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.3	0.02	1.3
(1,1025)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.3	0.02	1.3
(1,1025)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.3	0.02	1.3
(1,2361)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.3	0.02	1.3
(1,2361)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.3	0.02	1.3
(1,2361)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.3	0.02	1.3
(1,892)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,892)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,892)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,892)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,892)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,892)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,7605)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,7605)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,7605)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,7605)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,7605)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,7605)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,8964)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,8964)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,8964)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,8964)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,8964)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,8964)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,10309)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,10309)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,10309)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,10309)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,10309)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,10309)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,11657)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,11657)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,11657)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.27	0.17	1.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,11657)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,11657)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,11657)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,12992)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,12992)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,12992)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,12992)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	2	1.27	0.17	1.27
(1,12992)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	2	1.27	0.17	1.27
(1,12992)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	2	1.27	0.17	1.27
(1,6388)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.2	0.02	1.2
(1,6388)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.2	0.02	1.2
(1,6388)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.2	0.02	1.2
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	1.12	0.0	1.12
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	1.12	0.0	1.12
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	1.12	0.0	1.12
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	1.12	0.0	1.12
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	1.12	0.0	1.12
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	1.12	0.0	1.12
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	1.11	0.06	1.11
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	1.11	0.06	1.11
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	1.11	0.06	1.11
(1,2313)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.1	0.32	1.1
(1,2313)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.1	0.32	1.1
(1,2313)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.1	0.32	1.1
(1,2313)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.1	0.32	1.1
(1,2313)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.1	0.32	1.1
(1,2313)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.1	0.32	1.1
(1,4998)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	2	1.1	0.32	1.1
(1,4998)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	2	1.1	0.32	1.1
(1,4998)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	2	1.1	0.32	1.1
(1,4998)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	2	1.1	0.32	1.1
(1,4998)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	2	1.1	0.32	1.1
(1,4998)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	2	1.1	0.32	1.1
(1,3709)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,3709)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,3709)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,5047)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,5047)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,5047)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,7740)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,7740)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,7740)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.1	0.02	1.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,9099)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,9099)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,9099)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,10443)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,10443)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,10443)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,11788)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,11788)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,11788)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,14468)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,14468)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,14468)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	1.1	0.02	1.1
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	1.01	0.06	1.01
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	1.01	0.06	1.01
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	1.01	0.06	1.01
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	1.01	0.06	1.01
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	1.01	0.06	1.01
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	1.01	0.06	1.01
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	1.01	0.06	1.01
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	1.01	0.06	1.01
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	1.01	0.06	1.01
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	1.01	0.06	1.01
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	1.01	0.06	1.01
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	1.01	0.06	1.01
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	1.01	0.06	1.01
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	1.01	0.06	1.01
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	1.01	0.06	1.01
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	1.01	0.06	1.01
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	1.01	0.06	1.01
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	1.01	0.06	1.01
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.92	0.01	0.92
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.92	0.01	0.92
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.92	0.01	0.92
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.92	0.01	0.92
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.92	0.01	0.92
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.92	0.01	0.92
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.92	0.01	0.92
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.92	0.01	0.92
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.92	0.01	0.92
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	0.91	0.06	0.91
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	0.91	0.06	0.91
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	0.91	0.06	0.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	0.91	0.06	0.91
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	0.91	0.06	0.91
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	0.91	0.06	0.91
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	0.91	0.06	0.91
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	0.91	0.06	0.91
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	0.91	0.06	0.91
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	0.91	0.06	0.91
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	0.91	0.06	0.91
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	0.91	0.06	0.91
(1,13128)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	0.9	0.02	0.9
(1,13128)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	0.9	0.02	0.9
(1,13128)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	0.9	0.02	0.9
(1,15805)	1:18:A:VAL:HG21	1:108:A:GLU:HA	2	0.9	0.02	0.9
(1,15805)	1:18:A:VAL:HG22	1:108:A:GLU:HA	2	0.9	0.02	0.9
(1,15805)	1:18:A:VAL:HG23	1:108:A:GLU:HA	2	0.9	0.02	0.9
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.82	0.01	0.82
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.82	0.01	0.82
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.82	0.01	0.82
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG21	2	0.81	0.06	0.81
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG22	2	0.81	0.06	0.81
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG23	2	0.81	0.06	0.81
(1,13365)	1:33:A:LEU:HB2	1:93:A:THR:HA	2	0.78	0.62	0.78
(1,2029)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,4717)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,6055)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,7404)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,8759)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,10107)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,11457)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,12791)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,14133)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,15477)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	2	0.77	0.03	0.77
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.76	0.03	0.76
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.76	0.03	0.76
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.76	0.03	0.76
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.76	0.03	0.76
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.76	0.03	0.76
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.76	0.03	0.76
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.76	0.03	0.76
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.76	0.03	0.76
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.76	0.03	0.76
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.76	0.03	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.76	0.03	0.76
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.76	0.03	0.76
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.76	0.03	0.76
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.76	0.03	0.76
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.76	0.03	0.76
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.76	0.03	0.76
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.76	0.03	0.76
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.76	0.03	0.76
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.72	0.01	0.72
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.72	0.01	0.72
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.72	0.01	0.72
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.72	0.01	0.72
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.72	0.01	0.72
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.72	0.01	0.72
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.72	0.01	0.72
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.72	0.01	0.72
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.72	0.01	0.72
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.66	0.02	0.66
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.66	0.02	0.66
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.66	0.02	0.66
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.66	0.02	0.66
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.66	0.02	0.66
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.66	0.02	0.66
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.66	0.02	0.66
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.66	0.02	0.66
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.66	0.02	0.66
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.62	0.01	0.62
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.62	0.01	0.62
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.62	0.01	0.62
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.62	0.01	0.62
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.62	0.01	0.62
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.62	0.01	0.62
(2,46)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,121)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,194)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,275)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,353)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,435)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,513)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,595)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,675)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,760)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,832)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(2,911)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	2	0.62	0.47	0.62
(1,7581)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	2	0.58	0.43	0.58
(1,8940)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	2	0.58	0.43	0.58
(1,14503)	1:18:A:VAL:HG21	1:108:A:GLU:HG3	2	0.57	0.18	0.57
(1,14503)	1:18:A:VAL:HG22	1:108:A:GLU:HG3	2	0.57	0.18	0.57
(1,14503)	1:18:A:VAL:HG23	1:108:A:GLU:HG3	2	0.57	0.18	0.57
(1,14503)	1:18:A:VAL:HG21	1:108:A:GLU:HG2	2	0.57	0.18	0.57
(1,14503)	1:18:A:VAL:HG22	1:108:A:GLU:HG2	2	0.57	0.18	0.57
(1,14503)	1:18:A:VAL:HG23	1:108:A:GLU:HG2	2	0.57	0.18	0.57
(1,15840)	1:18:A:VAL:HG21	1:108:A:GLU:HG3	2	0.57	0.18	0.57
(1,15840)	1:18:A:VAL:HG22	1:108:A:GLU:HG3	2	0.57	0.18	0.57
(1,15840)	1:18:A:VAL:HG23	1:108:A:GLU:HG3	2	0.57	0.18	0.57
(1,15840)	1:18:A:VAL:HG21	1:108:A:GLU:HG2	2	0.57	0.18	0.57
(1,15840)	1:18:A:VAL:HG22	1:108:A:GLU:HG2	2	0.57	0.18	0.57
(1,15840)	1:18:A:VAL:HG23	1:108:A:GLU:HG2	2	0.57	0.18	0.57
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.56	0.02	0.56
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.56	0.02	0.56
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.56	0.02	0.56
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.56	0.02	0.56
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.56	0.02	0.56
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.56	0.02	0.56
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.56	0.02	0.56
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.56	0.02	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.56	0.02	0.56
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	2	0.46	0.02	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	2	0.46	0.02	0.46
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	2	0.46	0.02	0.46
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	2	0.46	0.02	0.46
(1,5249)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	2	0.46	0.11	0.46
(1,5249)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	2	0.46	0.11	0.46
(1,5249)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	2	0.46	0.11	0.46
(1,1057)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.45	0.01	0.45
(1,2395)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.45	0.01	0.45
(1,3740)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.45	0.01	0.45
(1,6419)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.45	0.01	0.45
(2,515)	1:48:A:ASP:HB2	1:47:A:VAL:HB	2	0.43	0.29	0.43
(2,678)	1:48:A:ASP:HB2	1:47:A:VAL:HB	2	0.43	0.29	0.43
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG21	2	0.42	0.01	0.42
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG22	2	0.42	0.01	0.42
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG23	2	0.42	0.01	0.42
(1,13005)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,13005)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,13005)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,14349)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,14349)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,14349)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,15683)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,15683)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,15683)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	2	0.41	0.1	0.41
(1,658)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,1996)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,3339)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,4683)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,6020)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,7372)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,8723)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,10072)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,11423)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,12758)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,14095)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,15445)	1:58:A:GLN:HE22	1:77:A:THR:HB	2	0.38	0.11	0.38
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.36	0.01	0.36
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.36	0.01	0.36
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.36	0.01	0.36
(1,5079)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.36	0.01	0.36
(1,7770)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.36	0.01	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,10476)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.36	0.01	0.36
(1,11670)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	2	0.34	0.08	0.34
(1,11670)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	2	0.34	0.08	0.34
(1,3663)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.31	0.01	0.31
(1,6342)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.31	0.01	0.31
(1,11743)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.31	0.01	0.31
(1,13080)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.31	0.01	0.31
(3,248)	1:68:A:LYS:H	1:68:A:LYS:HB2	2	0.3	0.19	0.3
(1,317)	1:95:A:ASP:H	1:2:A:ASP:HB2	2	0.29	0.14	0.29
(1,1650)	1:95:A:ASP:H	1:2:A:ASP:HB2	2	0.29	0.14	0.29
(1,2991)	1:95:A:ASP:H	1:2:A:ASP:HB2	2	0.29	0.14	0.29
(1,4339)	1:95:A:ASP:H	1:2:A:ASP:HB2	2	0.29	0.14	0.29
(1,5676)	1:95:A:ASP:H	1:2:A:ASP:HB2	2	0.29	0.14	0.29
(1,7020)	1:95:A:ASP:H	1:2:A:ASP:HB2	2	0.29	0.14	0.29
(1,8377)	1:95:A:ASP:H	1:2:A:ASP:HB2	2	0.29	0.14	0.29
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.26	0.02	0.26
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.26	0.02	0.26
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.26	0.02	0.26
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.26	0.02	0.26
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.26	0.02	0.26
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.26	0.02	0.26
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.26	0.01	0.26
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.26	0.01	0.26
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.26	0.01	0.26
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.26	0.01	0.26
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.26	0.01	0.26
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.26	0.01	0.26
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.26	0.02	0.26
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.26	0.02	0.26
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.26	0.02	0.26
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.26	0.01	0.26
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.26	0.01	0.26
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.26	0.01	0.26
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.26	0.02	0.26
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.26	0.02	0.26
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.26	0.02	0.26
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.26	0.01	0.26
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.26	0.01	0.26
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.26	0.01	0.26
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.26	0.01	0.26
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.26	0.01	0.26
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.26	0.01	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.26	0.01	0.26
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.26	0.01	0.26
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.26	0.01	0.26
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.26	0.01	0.26
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.26	0.01	0.26
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.26	0.01	0.26
(1,9131)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.26	0.02	0.26
(1,11817)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.26	0.02	0.26
(1,6074)	1:35:A:LYS:H	1:35:A:LYS:HE2	2	0.23	0.04	0.23
(1,10126)	1:35:A:LYS:H	1:35:A:LYS:HE2	2	0.23	0.04	0.23
(1,11476)	1:35:A:LYS:H	1:35:A:LYS:HE2	2	0.23	0.04	0.23
(1,12810)	1:35:A:LYS:H	1:35:A:LYS:HE2	2	0.23	0.04	0.23
(1,14210)	1:67:A:SER:H	1:64:A:ASP:HB2	2	0.23	0.05	0.23
(1,15497)	1:35:A:LYS:H	1:35:A:LYS:HE2	2	0.23	0.04	0.23
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG11	2	0.21	0.01	0.21
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG12	2	0.21	0.01	0.21
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG13	2	0.21	0.01	0.21
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG11	2	0.21	0.01	0.21
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG12	2	0.21	0.01	0.21
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG13	2	0.21	0.01	0.21
(1,2317)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.21	0.01	0.21
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG11	2	0.21	0.01	0.21
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG12	2	0.21	0.01	0.21
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG13	2	0.21	0.01	0.21
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG11	2	0.21	0.01	0.21
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG12	2	0.21	0.01	0.21
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG13	2	0.21	0.01	0.21
(1,5002)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.21	0.01	0.21
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG11	2	0.21	0.01	0.21
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG12	2	0.21	0.01	0.21
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG13	2	0.21	0.01	0.21
(1,7693)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.21	0.01	0.21
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG11	2	0.21	0.01	0.21
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG12	2	0.21	0.01	0.21
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG13	2	0.21	0.01	0.21
(1,10397)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.21	0.01	0.21
(1,14423)	1:57:A:LEU:HG	1:57:A:LEU:HB2	2	0.21	0.01	0.21
(3,323)	1:61:A:ASP:H	1:61:A:ASP:HB3	2	0.2	0.06	0.2
(3,434)	1:46:A:TRP:H	1:46:A:TRP:HB3	2	0.2	0.0	0.2
(1,1519)	1:52:A:LYS:H	1:52:A:LYS:HG2	2	0.18	0.04	0.18
(1,2144)	1:66:A:ALA:H	1:65:A:ARG:HD2	2	0.18	0.06	0.18
(1,2144)	1:66:A:ALA:H	1:65:A:ARG:HD3	2	0.18	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3489)	1:66:A:ALA:H	1:65:A:ARG:HD2	2	0.18	0.06	0.18
(1,3489)	1:66:A:ALA:H	1:65:A:ARG:HD3	2	0.18	0.06	0.18
(1,4207)	1:52:A:LYS:H	1:52:A:LYS:HG2	2	0.18	0.04	0.18
(1,4832)	1:66:A:ALA:H	1:65:A:ARG:HD2	2	0.18	0.06	0.18
(1,4832)	1:66:A:ALA:H	1:65:A:ARG:HD3	2	0.18	0.06	0.18
(1,5291)	1:27:A:ARG:HD3	1:9:A:MET:HG2	2	0.18	0.02	0.18
(1,6628)	1:27:A:ARG:HD3	1:9:A:MET:HG2	2	0.18	0.02	0.18
(1,7981)	1:27:A:ARG:HD3	1:9:A:MET:HG2	2	0.18	0.02	0.18
(1,9333)	1:27:A:ARG:HD3	1:9:A:MET:HG2	2	0.18	0.02	0.18
(1,10676)	1:27:A:ARG:HD3	1:9:A:MET:HG2	2	0.18	0.02	0.18
(1,12015)	1:27:A:ARG:HD3	1:9:A:MET:HG2	2	0.18	0.02	0.18
(1,13355)	1:27:A:ARG:HD3	1:9:A:MET:HG2	2	0.18	0.02	0.18
(1,14691)	1:27:A:ARG:HD3	1:9:A:MET:HG2	2	0.18	0.02	0.18
(3,36)	1:18:A:VAL:H	1:18:A:VAL:HB	2	0.18	0.03	0.18
(1,2086)	1:106:A:VAL:H	1:85:A:GLY:H	2	0.16	0.06	0.16
(1,3429)	1:106:A:VAL:H	1:85:A:GLY:H	2	0.16	0.06	0.16
(1,6113)	1:106:A:VAL:H	1:85:A:GLY:H	2	0.16	0.06	0.16
(1,7462)	1:106:A:VAL:H	1:85:A:GLY:H	2	0.16	0.06	0.16
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.16	0.01	0.16
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.16	0.01	0.16
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.16	0.01	0.16
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.16	0.02	0.16
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.16	0.02	0.16
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.16	0.02	0.16
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.16	0.02	0.16
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.16	0.02	0.16
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.16	0.02	0.16
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.16	0.02	0.16
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.16	0.02	0.16
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.16	0.02	0.16
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.16	0.02	0.16
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.16	0.02	0.16
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.16	0.02	0.16
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.16	0.02	0.16
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.16	0.02	0.16
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.16	0.02	0.16
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG11	2	0.16	0.02	0.16
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG12	2	0.16	0.02	0.16
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG13	2	0.16	0.02	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB1	2	0.16	0.0	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB2	2	0.16	0.0	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB3	2	0.16	0.0	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1024)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,1024)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,3707)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,3707)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,5046)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,5046)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,6386)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,6386)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,10441)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,10441)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,13126)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,13126)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,14466)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,14466)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	2	0.16	0.02	0.16
(1,14497)	1:52:A:LYS:HD3	1:52:A:LYS:HA	2	0.16	0.02	0.16
(3,337)	1:25:A:SER:H	1:25:A:SER:HB2	2	0.16	0.05	0.16
(1,14370)	1:55:A:GLN:HA	1:55:A:GLN:HG3	2	0.15	0.02	0.15
(1,14370)	1:55:A:GLN:HA	1:55:A:GLN:HG2	2	0.15	0.02	0.15
(1,15702)	1:55:A:GLN:HA	1:55:A:GLN:HG3	2	0.15	0.02	0.15
(1,15702)	1:55:A:GLN:HA	1:55:A:GLN:HG2	2	0.15	0.02	0.15
(1,6454)	1:49:A:LEU:HG	1:43:A:LYS:HD3	2	0.15	0.03	0.15
(1,9165)	1:49:A:LEU:HG	1:43:A:LYS:HD3	2	0.15	0.03	0.15
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD11	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD12	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD13	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD11	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD12	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD13	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD11	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD12	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD13	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD21	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD22	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD23	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD21	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD22	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD23	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD21	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD22	2	0.15	0.0	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD23	2	0.15	0.0	0.15
(1,6215)	1:43:A:LYS:HD3	1:43:A:LYS:HG2	2	0.15	0.03	0.15
(1,6215)	1:43:A:LYS:HD2	1:43:A:LYS:HG2	2	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD11	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD12	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD13	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD11	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD12	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD13	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD11	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD12	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD13	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD21	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD22	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD23	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD21	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD22	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD23	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD21	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD22	2	0.15	0.0	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD23	2	0.15	0.0	0.15
(3,35)	1:66:A:ALA:H	1:66:A:ALA:HA	2	0.15	0.0	0.15
(3,285)	1:63:A:TYR:H	1:62:A:SER:HB3	2	0.14	0.03	0.14
(1,788)	1:70:A:TYR:H	1:70:A:TYR:HE1	2	0.14	0.02	0.14
(1,788)	1:70:A:TYR:H	1:70:A:TYR:HE2	2	0.14	0.02	0.14
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG11	2	0.14	0.01	0.14
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG12	2	0.14	0.01	0.14
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG13	2	0.14	0.01	0.14
(1,3542)	1:55:A:GLN:HG3	1:55:A:GLN:HB2	2	0.14	0.02	0.14
(1,3542)	1:55:A:GLN:HG2	1:55:A:GLN:HB2	2	0.14	0.02	0.14
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG11	2	0.14	0.01	0.14
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG12	2	0.14	0.01	0.14
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG13	2	0.14	0.01	0.14
(1,4885)	1:55:A:GLN:HG3	1:55:A:GLN:HB2	2	0.14	0.02	0.14
(1,4885)	1:55:A:GLN:HG2	1:55:A:GLN:HB2	2	0.14	0.02	0.14
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG11	2	0.14	0.01	0.14
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG12	2	0.14	0.01	0.14
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG13	2	0.14	0.01	0.14
(1,6225)	1:55:A:GLN:HG3	1:55:A:GLN:HB2	2	0.14	0.02	0.14
(1,6225)	1:55:A:GLN:HG2	1:55:A:GLN:HB2	2	0.14	0.02	0.14
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG11	2	0.14	0.01	0.14
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG12	2	0.14	0.01	0.14
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG13	2	0.14	0.01	0.14
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG11	2	0.14	0.01	0.14
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG12	2	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG13	2	0.14	0.01	0.14
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG11	2	0.14	0.01	0.14
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG12	2	0.14	0.01	0.14
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG13	2	0.14	0.01	0.14
(1,11651)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	2	0.14	0.01	0.14
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG11	2	0.14	0.01	0.14
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG12	2	0.14	0.01	0.14
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG13	2	0.14	0.01	0.14
(1,14330)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	2	0.14	0.01	0.14
(1,15641)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	2	0.14	0.02	0.14
(1,15641)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	2	0.14	0.02	0.14
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG11	2	0.14	0.01	0.14
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG12	2	0.14	0.01	0.14
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG13	2	0.14	0.01	0.14
(3,418)	1:96:A:LYS:H	1:95:A:ASP:HB3	2	0.14	0.02	0.14
(1,13509)	1:47:A:VAL:H	1:47:A:VAL:HB	2	0.13	0.03	0.13
(1,67)	1:53:A:VAL:H	1:52:A:LYS:H	2	0.12	0.02	0.12
(1,1580)	1:87:A:TYR:H	1:87:A:TYR:HD1	2	0.12	0.01	0.12
(1,1580)	1:87:A:TYR:H	1:87:A:TYR:HD2	2	0.12	0.01	0.12
(1,2920)	1:87:A:TYR:H	1:87:A:TYR:HD1	2	0.12	0.01	0.12
(1,2920)	1:87:A:TYR:H	1:87:A:TYR:HD2	2	0.12	0.01	0.12
(1,4268)	1:87:A:TYR:H	1:87:A:TYR:HD1	2	0.12	0.01	0.12
(1,4268)	1:87:A:TYR:H	1:87:A:TYR:HD2	2	0.12	0.01	0.12
(1,5296)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	2	0.12	0.02	0.12
(1,5296)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	2	0.12	0.02	0.12
(1,5605)	1:87:A:TYR:H	1:87:A:TYR:HD1	2	0.12	0.01	0.12
(1,5605)	1:87:A:TYR:H	1:87:A:TYR:HD2	2	0.12	0.01	0.12
(1,6949)	1:87:A:TYR:H	1:87:A:TYR:HD1	2	0.12	0.01	0.12
(1,6949)	1:87:A:TYR:H	1:87:A:TYR:HD2	2	0.12	0.01	0.12
(1,7986)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	2	0.12	0.02	0.12
(1,7986)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	2	0.12	0.02	0.12
(1,8305)	1:87:A:TYR:H	1:87:A:TYR:HD1	2	0.12	0.01	0.12
(1,8305)	1:87:A:TYR:H	1:87:A:TYR:HD2	2	0.12	0.01	0.12
(1,9653)	1:87:A:TYR:H	1:87:A:TYR:HD1	2	0.12	0.01	0.12
(1,9653)	1:87:A:TYR:H	1:87:A:TYR:HD2	2	0.12	0.01	0.12
(1,12336)	1:87:A:TYR:H	1:87:A:TYR:HD1	2	0.12	0.01	0.12
(1,12336)	1:87:A:TYR:H	1:87:A:TYR:HD2	2	0.12	0.01	0.12
(2,449)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.12	0.02	0.12
(2,530)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.12	0.02	0.12
(2,609)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.12	0.02	0.12
(2,693)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.12	0.02	0.12
(2,774)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6435)	1:2:A:ASP:HB2	1:1:A:ASP:HA	2	0.12	0.01	0.12
(2,855)	1:4:A:ILE:HG21	1:7:A:PHE:HB2	2	0.12	0.01	0.12
(2,855)	1:4:A:ILE:HG22	1:7:A:PHE:HB2	2	0.12	0.01	0.12
(2,855)	1:4:A:ILE:HG23	1:7:A:PHE:HB2	2	0.12	0.01	0.12
(2,939)	1:4:A:ILE:HG21	1:7:A:PHE:HB2	2	0.12	0.01	0.12
(2,939)	1:4:A:ILE:HG22	1:7:A:PHE:HB2	2	0.12	0.01	0.12
(2,939)	1:4:A:ILE:HG23	1:7:A:PHE:HB2	2	0.12	0.01	0.12
(1,2221)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,2221)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,2221)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,4906)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,4906)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,4906)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,7596)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,7596)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,7596)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,8956)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,8956)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(1,8956)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	2	0.12	0.0	0.12
(3,636)	1:62:A:SER:H	1:73:A:GLU:H	2	0.12	0.0	0.12
(1,2985)	1:47:A:VAL:H	1:46:A:TRP:H	2	0.11	0.0	0.11
(1,4333)	1:47:A:VAL:H	1:46:A:TRP:H	2	0.11	0.0	0.11
(1,5670)	1:47:A:VAL:H	1:46:A:TRP:H	2	0.11	0.0	0.11
(1,7014)	1:47:A:VAL:H	1:46:A:TRP:H	2	0.11	0.0	0.11
(3,716)	1:22:A:ILE:H	1:78:A:ASP:H	2	0.11	0.0	0.11
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD21	2	0.11	0.0	0.11
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD22	2	0.11	0.0	0.11
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD23	2	0.11	0.0	0.11
(1,705)	1:93:A:THR:H	1:93:A:THR:HB	2	0.11	0.0	0.11
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD21	2	0.11	0.0	0.11
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD22	2	0.11	0.0	0.11
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD23	2	0.11	0.0	0.11
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD21	2	0.11	0.0	0.11
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD22	2	0.11	0.0	0.11
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD23	2	0.11	0.0	0.11
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD21	2	0.11	0.0	0.11
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD22	2	0.11	0.0	0.11
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD23	2	0.11	0.0	0.11
(1,4729)	1:93:A:THR:H	1:93:A:THR:HB	2	0.11	0.0	0.11
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD21	2	0.11	0.0	0.11
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD22	2	0.11	0.0	0.11
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD23	2	0.11	0.0	0.11

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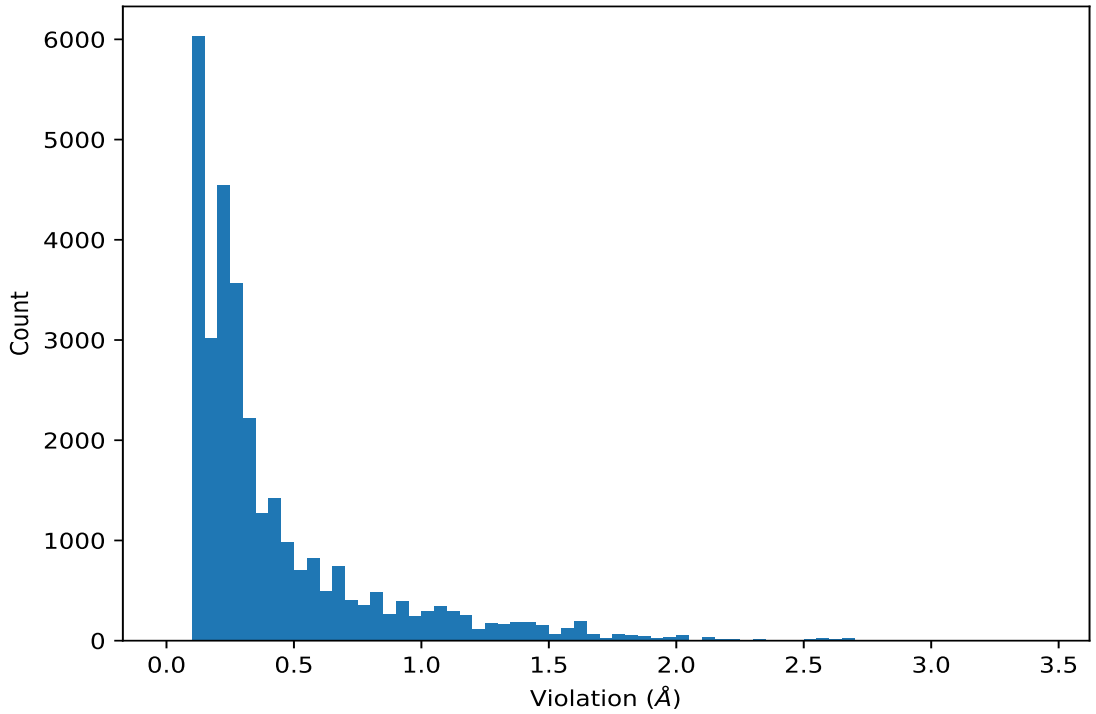
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD21	2	0.11	0.0	0.11
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD22	2	0.11	0.0	0.11
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD23	2	0.11	0.0	0.11
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD11	2	0.11	0.0	0.11
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD12	2	0.11	0.0	0.11
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD13	2	0.11	0.0	0.11
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD21	2	0.11	0.0	0.11
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD22	2	0.11	0.0	0.11
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD23	2	0.11	0.0	0.11
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD21	2	0.11	0.0	0.11
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD22	2	0.11	0.0	0.11
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD23	2	0.11	0.0	0.11
(1,11619)	1:74:A:LEU:HA	1:59:A:LEU:HA	2	0.11	0.0	0.11
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD11	2	0.11	0.0	0.11
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD12	2	0.11	0.0	0.11
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD13	2	0.11	0.0	0.11
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD11	2	0.11	0.0	0.11
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD12	2	0.11	0.0	0.11
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD13	2	0.11	0.0	0.11
(3,702)	1:72:A:PHE:H	1:28:A:VAL:H	2	0.11	0.0	0.11
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG21	2	0.1	0.0	0.1
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG22	2	0.1	0.0	0.1
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG23	2	0.1	0.0	0.1
(3,309)	1:95:A:ASP:H	1:94:A:LYS:HA	2	0.1	0.0	0.1
(3,451)	1:67:A:SER:H	1:69:A:VAL:H	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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 (i)

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)
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	24	3.43
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	24	3.43
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	24	3.43
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	24	3.13
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	24	3.13
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	24	3.13
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	14	3.11
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	14	3.11
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	14	3.11
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	13	3.01
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	29	2.97
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	29	2.97
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	29	2.97
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	14	2.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	14	2.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	14	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	5	2.7
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	5	2.7
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	5	2.7
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	5	2.7
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	5	2.7
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	5	2.7
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	15	2.69
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	15	2.69
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	15	2.69
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	24	2.69
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	24	2.69
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	24	2.69
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	15	2.69
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	15	2.69
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	15	2.69
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	24	2.69
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	24	2.69
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	24	2.69
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	10	2.67
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	10	2.67
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	10	2.67
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	10	2.67
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	10	2.67
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	10	2.67
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	29	2.67
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	29	2.67
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	29	2.67
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	11	2.65
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	11	2.65
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	11	2.65
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	11	2.65
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	11	2.65
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	11	2.65
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	26	2.64
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	26	2.64
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	26	2.64
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	26	2.64
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	26	2.64
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	26	2.64
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	8	2.6
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	8	2.6
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	8	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	8	2.6
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	8	2.6
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	8	2.6
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	7	2.59
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	7	2.59
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	7	2.59
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	7	2.59
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	7	2.59
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	7	2.59
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	4	2.57
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	4	2.57
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	4	2.57
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	4	2.57
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	4	2.57
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	4	2.57
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	18	2.56
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	18	2.56
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	18	2.56
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	20	2.56
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	20	2.56
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	20	2.56
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	18	2.56
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	18	2.56
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	18	2.56
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	20	2.56
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	20	2.56
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	20	2.56
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	21	2.54
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	21	2.54
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	21	2.54
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	21	2.54
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	21	2.54
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	21	2.54
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	2	2.53
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	2	2.53
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	2	2.53
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	2	2.53
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	2	2.53
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	2	2.53
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	1	2.47
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	1	2.47
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	1	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	1	2.47
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	1	2.47
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	1	2.47
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.44
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.44
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.44
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	21	2.41
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	21	2.41
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	21	2.41
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	5	2.36
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	5	2.36
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	5	2.36
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	25	2.34
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	25	2.34
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	25	2.34
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	25	2.34
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	25	2.34
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	25	2.34
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	19	2.34
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	19	2.34
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	19	2.34
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	9	2.33
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	28	2.29
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	15	2.28
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	15	2.28
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	15	2.28
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.24
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.24
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.24
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.24
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.24
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.24
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.24
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.24
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.24
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.24
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.24
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.24
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	24	2.23
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	24	2.23
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	24	2.23
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	18	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	18	2.17
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	18	2.17
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	18	2.17
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	2.16
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	2.16
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	2.16
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	2	2.15
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	2	2.15
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	2	2.15
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	2.14
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	2.14
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	2.14
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	24	2.13
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	24	2.13
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	24	2.13
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	10	2.13
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	10	2.13
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	10	2.13
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	25	2.13
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	25	2.13
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	25	2.13
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	21	2.11
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	21	2.11
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	21	2.11
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	6	2.11
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	6	2.11
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	6	2.11
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	11	2.11
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	11	2.11
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	11	2.11
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	2.1
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	2.1
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	2.1
(1,4803)	1:93:A:THR:H	1:91:A:VAL:HG21	25	2.1
(1,4803)	1:93:A:THR:H	1:91:A:VAL:HG22	25	2.1
(1,4803)	1:93:A:THR:H	1:91:A:VAL:HG23	25	2.1
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	4	2.1
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	4	2.1
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	4	2.1
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	25	2.06
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	25	2.06
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	25	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG2	19	2.06
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	5	2.06
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	5	2.06
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	5	2.06
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	5	2.05
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	5	2.05
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	5	2.05
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	1	2.05
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	1	2.05
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	1	2.05
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.04
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.04
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.04
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	20	2.04
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	22	2.04
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.04
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.04
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.04
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	19	2.04
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	19	2.04
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	19	2.04
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.04
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.04
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.04
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.04
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.04
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.04
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	3	2.04
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	3	2.04
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	3	2.04
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	8	2.03
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	2.03
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	2.03
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	2.03
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	16	2.0
(1,10192)	1:93:A:THR:H	1:91:A:VAL:HG21	25	2.0
(1,10192)	1:93:A:THR:H	1:91:A:VAL:HG22	25	2.0
(1,10192)	1:93:A:THR:H	1:91:A:VAL:HG23	25	2.0
(1,8845)	1:93:A:THR:H	1:91:A:VAL:HG21	25	2.0
(1,8845)	1:93:A:THR:H	1:91:A:VAL:HG22	25	2.0
(1,8845)	1:93:A:THR:H	1:91:A:VAL:HG23	25	2.0
(1,6141)	1:93:A:THR:H	1:91:A:VAL:HG21	25	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6141)	1:93:A:THR:H	1:91:A:VAL:HG22	25	2.0
(1,6141)	1:93:A:THR:H	1:91:A:VAL:HG23	25	2.0
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	2.0
(1,3457)	1:93:A:THR:H	1:91:A:VAL:HG21	25	2.0
(1,3457)	1:93:A:THR:H	1:91:A:VAL:HG22	25	2.0
(1,3457)	1:93:A:THR:H	1:91:A:VAL:HG23	25	2.0
(1,2113)	1:93:A:THR:H	1:91:A:VAL:HG21	25	2.0
(1,2113)	1:93:A:THR:H	1:91:A:VAL:HG22	25	2.0
(1,2113)	1:93:A:THR:H	1:91:A:VAL:HG23	25	2.0
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	20	2.0
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	20	2.0
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	20	2.0
(1,8977)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	25	1.99
(1,6267)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	25	1.99
(1,3587)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	25	1.99
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	26	1.99
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	26	1.99
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	26	1.99
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	10	1.98
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG2	25	1.98
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	15	1.98
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	15	1.98
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	15	1.98
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	19	1.97
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	19	1.97
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	19	1.97
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	19	1.97
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	19	1.97
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	19	1.97
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.97
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.97
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.97
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	24	1.97
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.96
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.96
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.96
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.96
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.96
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.96
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.96
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.96
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	1.96
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.96
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.96
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.96
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	22	1.96
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	22	1.96
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	22	1.96
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	14	1.94
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	8	1.94
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	8	1.94
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	8	1.94
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	19	1.93
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	19	1.93
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	19	1.93
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	7	1.92
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	1.92
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.91
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.91
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.91
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.91
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.91
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.91
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	25	1.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	14	1.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	14	1.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	14	1.91
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	7	1.91
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	7	1.91
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	7	1.91
(1,14219)	1:93:A:THR:H	1:91:A:VAL:HG21	25	1.9
(1,14219)	1:93:A:THR:H	1:91:A:VAL:HG22	25	1.9
(1,14219)	1:93:A:THR:H	1:91:A:VAL:HG23	25	1.9
(1,12878)	1:93:A:THR:H	1:91:A:VAL:HG21	25	1.9
(1,12878)	1:93:A:THR:H	1:91:A:VAL:HG22	25	1.9
(1,12878)	1:93:A:THR:H	1:91:A:VAL:HG23	25	1.9
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.9
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.9
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.9
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	1.9
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.9
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.9
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.9
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.9
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.9
(1,7491)	1:93:A:THR:H	1:91:A:VAL:HG21	25	1.9
(1,7491)	1:93:A:THR:H	1:91:A:VAL:HG22	25	1.9
(1,7491)	1:93:A:THR:H	1:91:A:VAL:HG23	25	1.9
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.9
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.9
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.9
(1,775)	1:93:A:THR:H	1:91:A:VAL:HG21	25	1.9
(1,775)	1:93:A:THR:H	1:91:A:VAL:HG22	25	1.9
(1,775)	1:93:A:THR:H	1:91:A:VAL:HG23	25	1.9
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	8	1.89
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	8	1.89
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	8	1.89
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	15	1.89
(1,10322)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	25	1.89
(1,4928)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	25	1.89
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.88
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.88
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.88
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	17	1.88
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	27	1.88
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	18	1.87
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	18	1.87
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	18	1.87
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	4	1.86
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	1.86
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	7	1.86
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	2	1.85
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	2	1.85
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	2	1.85
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	17	1.84
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	17	1.84
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	17	1.84
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	18	1.84
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	18	1.84
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	18	1.84
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	12	1.84
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	21	1.83
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.83
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.83
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.83
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.83
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.83
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.83
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.83
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.83
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	10	1.83
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	10	1.83
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	10	1.83
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	25	1.83
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	25	1.83
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	25	1.83
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.83
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.83
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.83
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	1	1.82
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	1.82
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	11	1.81
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	6	1.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	6	1.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	6	1.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	11	1.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	11	1.81
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	11	1.81
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.81
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.81
(1,6420)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.81
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	14	1.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	14	1.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	14	1.81
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	19	1.81
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	14	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	14	1.8
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	14	1.8
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	4	1.8
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	4	1.8
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	4	1.8
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	1.8
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	1.8
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	3	1.79
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	3	1.79
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	3	1.79
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	28	1.79
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	28	1.79
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	28	1.79
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	21	1.79
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	27	1.78
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	27	1.78
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	27	1.78
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HD12	13	1.78
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HD12	13	1.78
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	6	1.78
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	6	1.77
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	6	1.77
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	6	1.77
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	15	1.77
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	15	1.77
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	15	1.77
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	2	1.77
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.77
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.77
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.77
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	16	1.77
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	20	1.77
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	29	1.77
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	29	1.77
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	29	1.77
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.76
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.76
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.76
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.76
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.76
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.76
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.76
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.76
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	1.76
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.76
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.76
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.76
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	1.76
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	22	1.76
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	22	1.76
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	22	1.76
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	24	1.75
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	24	1.75
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	24	1.75
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	24	1.75
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	24	1.75
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	24	1.75
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	24	1.75
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	24	1.75
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	1	1.75
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	1	1.75
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	1	1.75
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	1.75
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	27	1.75
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	27	1.75
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	27	1.75
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	2	1.74
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	2	1.74
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	2	1.74
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	11	1.74
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	11	1.74
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	11	1.74
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	24	1.74
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	20	1.73
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	20	1.73
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	20	1.73
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	9	1.73
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	23	1.73
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	1.72
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	1.72
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	7	1.71
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	7	1.71
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	12	1.71
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	12	1.71
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	12	1.71
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	22	1.71
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	22	1.71
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	22	1.71
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	1.71
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	1.71
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	1.71
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	11	1.71
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG23	7	1.7
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HD12	29	1.7
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG23	7	1.7
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HD12	29	1.7
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.7
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.7
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.7
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	18	1.7
(1,11543)	1:93:A:THR:H	1:91:A:VAL:HG21	25	1.7
(1,11543)	1:93:A:THR:H	1:91:A:VAL:HG22	25	1.7
(1,11543)	1:93:A:THR:H	1:91:A:VAL:HG23	25	1.7
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.7
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.7
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.7
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	20	1.7
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	20	1.7
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	20	1.7
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.7
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.7
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.7
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.7
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.7
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.7
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	16	1.7
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	16	1.7
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	16	1.7
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG22	19	1.69
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG22	19	1.69
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	24	1.69
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	26	1.69
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	26	1.69
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	26	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	16	1.68
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	16	1.68
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	16	1.68
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	17	1.68
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	27	1.68
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	17	1.68
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	27	1.68
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HD11	14	1.67
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HD11	14	1.67
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD11	24	1.67
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD12	24	1.67
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD13	24	1.67
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	29	1.67
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	29	1.67
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	29	1.67
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	8	1.66
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	7	1.66
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	22	1.66
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	22	1.66
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	22	1.66
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	7	1.66
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	17	1.65
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	28	1.65
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	12	1.65
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	1.65
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	4	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	4	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	4	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	21	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	21	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	21	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	23	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	23	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	23	1.64
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG21	15	1.64
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG21	15	1.64
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	8	1.64
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	8	1.64
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	8	1.64
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	29	1.63
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	29	1.63
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	29	1.63
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HD11	1	1.63
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HG21	2	1.63
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HG22	23	1.63
(1,15755)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,15755)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,15755)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HD11	1	1.63
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HG21	2	1.63
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HG22	23	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14420)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,14420)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,14420)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.63
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.63
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.63
(1,13076)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,13076)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,13076)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	28	1.63
(1,11739)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,11739)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,11739)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.63
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.63
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.63
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.63
(1,10393)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,10393)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,10393)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,9049)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,9049)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,9049)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,7689)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,7689)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,7689)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,6338)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,6338)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,6338)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.63
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.63
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.63
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.63
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.63
(1,3659)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,3659)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,3659)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.63
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.63
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.63
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.63
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	23	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	23	1.63
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	23	1.63
(1,978)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.63
(1,978)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.63
(1,978)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.63
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	6	1.62
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	9	1.62
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HG22	21	1.62
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HD11	22	1.62
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HG22	21	1.62
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HD11	22	1.62
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	29	1.62
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	10	1.61
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	10	1.61
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	10	1.61
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	5	1.61
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	27	1.61
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	5	1.61
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	23	1.61
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	5	1.61
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	23	1.61
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	5	1.61
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	23	1.61
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	5	1.61
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	23	1.61
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	5	1.61
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	23	1.61
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	5	1.61
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	23	1.61
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	5	1.61
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	23	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	5	1.61
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	23	1.61
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.61
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.61
(1,11818)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.61
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	29	1.61
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.61
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.61
(1,9132)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.61
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.61
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.61
(1,7771)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.61
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	7	1.61
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	7	1.61
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	7	1.61
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.61
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.61
(1,5080)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.61
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	22	1.61
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	17	1.6
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	20	1.6
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	26	1.6
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	26	1.6
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	26	1.6
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	26	1.6
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	26	1.6
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	26	1.6
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	26	1.6
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	26	1.6
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	26	1.6
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	22	1.6
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	27	1.6
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	1.6
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	26	1.59
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	26	1.59
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	26	1.59
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	11	1.59
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	12	1.59
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	28	1.59
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	15	1.59
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	16	1.59
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	19	1.59
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	25	1.59
(1,15938)	1:23:A:THR:HG21	1:22:A:ILE:HG23	25	1.59
(1,14604)	1:23:A:THR:HG21	1:22:A:ILE:HG23	25	1.59
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	1	1.58
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	1	1.58
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	1	1.58
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	3	1.58
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	6	1.58
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HD13	4	1.58
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HD13	4	1.58
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	6	1.58
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	6	1.58
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	13	1.57
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	13	1.57
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	13	1.57
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	9	1.57
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.57
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.57
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.57
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.57
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.57
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.57
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.57
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.57
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.57
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	16	1.57
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	20	1.57
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	1.57
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.57
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.57
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.57
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	16	1.57
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	20	1.57
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	24	1.56
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	24	1.56
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	24	1.56
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	23	1.56
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	24	1.56
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG23	18	1.56
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG23	18	1.56
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	1.56
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG23	5	1.55
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG23	5	1.55
(1,6254)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.55
(1,6254)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.55
(1,6254)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.55
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	1.55
(1,4915)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.55
(1,4915)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4915)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.55
(1,3574)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.55
(1,3574)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.55
(1,3574)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.55
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	1.55
(1,2229)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.55
(1,2229)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.55
(1,2229)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.55
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	1.55
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	7	1.54
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	8	1.54
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	16	1.54
(2,929)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,845)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,758)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,672)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,593)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,510)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,431)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,351)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,273)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,191)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,118)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(2,44)	1:89:A:CYS:HA	1:99:A:CYS:HB2	5	1.54
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG21	8	1.54
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG21	8	1.54
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD11	6	1.54
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD12	6	1.54
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD13	6	1.54
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	24	1.54
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	1.54
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	1.54
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	24	1.54
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.54
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.54
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.54
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD11	9	1.53
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD12	9	1.53
(3,389)	1:41:A:TRP:HE1	1:71:A:LEU:HD13	9	1.53
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG22	10	1.53
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG22	10	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.53
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	23	1.53
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	23	1.53
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	14	1.53
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	1.52
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	1.52
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	1.52
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	29	1.52
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	23	1.52
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	23	1.52
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	23	1.52
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	13	1.51
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	18	1.51
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG23	16	1.51
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG23	16	1.51
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	1.51
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	11	1.51
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	1.51
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	11	1.51
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	10	1.51
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	1	1.5
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	2	1.5
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	19	1.5
(1,2509)	1:52:A:LYS:HD2	1:48:A:ASP:HB2	13	1.5
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	11	1.49
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	11	1.49
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	11	1.49
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	21	1.49
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	21	1.49
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	21	1.49
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	11	1.49
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	11	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	11	1.49
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	21	1.49
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	21	1.49
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	21	1.49
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	11	1.49
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	11	1.49
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	11	1.49
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	21	1.49
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	21	1.49
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	21	1.49
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	11	1.49
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	11	1.49
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	11	1.49
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	21	1.49
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	21	1.49
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	21	1.49
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG23	17	1.49
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG23	26	1.49
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG23	17	1.49
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG23	26	1.49
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	14	1.49
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	14	1.49
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	14	1.49
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	14	1.49
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	14	1.49
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	14	1.49
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	14	1.49
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	21	1.48
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	25	1.48
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	4	1.48
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	4	1.48
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	4	1.48
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	4	1.48
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	4	1.48
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	4	1.48
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	4	1.48
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	4	1.48
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	4	1.48
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	4	1.48
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	4	1.48
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	4	1.48
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.48
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.48
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.48
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.48
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.48
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	17	1.48
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	27	1.48
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	22	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	3	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	3	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	3	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	15	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	15	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	15	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	16	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	16	1.47
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	16	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	3	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	3	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	3	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	15	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	15	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	15	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	16	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	16	1.47
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	16	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	3	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	3	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	3	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	15	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	15	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	15	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	16	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	16	1.47
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	16	1.47
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	3	1.47
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	3	1.47
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	3	1.47
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	15	1.47
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	15	1.47
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	15	1.47
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	16	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	16	1.47
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	16	1.47
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG23	3	1.47
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG23	28	1.47
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	27	1.47
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG23	3	1.47
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG23	28	1.47
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	27	1.47
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD11	24	1.47
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD12	24	1.47
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD13	24	1.47
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	19	1.47
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	19	1.47
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	19	1.47
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	3	1.47
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	19	1.47
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	19	1.47
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	19	1.47
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	19	1.47
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	10	1.46
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	7	1.46
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	7	1.46
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	7	1.46
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	20	1.46
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	20	1.46
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	20	1.46
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	17	1.46
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	17	1.46
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	17	1.46
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	17	1.46
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	17	1.46
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	17	1.46
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	7	1.46
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	7	1.46
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	7	1.46
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	20	1.46
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	20	1.46
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	20	1.46
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	7	1.46
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	7	1.46
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	7	1.46
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	20	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	20	1.46
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	20	1.46
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	17	1.46
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	17	1.46
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	17	1.46
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	17	1.46
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	17	1.46
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	17	1.46
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	7	1.46
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	7	1.46
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	7	1.46
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	20	1.46
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	20	1.46
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	20	1.46
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	17	1.46
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	17	1.46
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	17	1.46
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG23	9	1.46
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG23	9	1.46
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	1.46
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	1	1.46
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	14	1.46
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	27	1.46
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	7	1.46
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	28	1.45
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	28	1.45
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	28	1.45
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	28	1.45
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	28	1.45
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	28	1.45
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	28	1.45
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	28	1.45
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	28	1.45
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	28	1.45
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	28	1.45
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	28	1.45
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	28	1.45
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	28	1.45
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	28	1.45
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG21	20	1.45
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	25	1.45
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG21	20	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	25	1.45
(1,12992)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.45
(1,12992)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.45
(1,12992)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.45
(1,11657)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.45
(1,11657)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.45
(1,11657)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.45
(1,10309)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.45
(1,10309)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.45
(1,10309)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.45
(1,8964)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.45
(1,8964)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.45
(1,8964)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.45
(1,7605)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.45
(1,7605)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.45
(1,7605)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.45
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	27	1.45
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	27	1.45
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	27	1.45
(1,892)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	1	1.45
(1,892)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	1	1.45
(1,892)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	1	1.45
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG21	6	1.44
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG23	11	1.44
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG23	12	1.44
(1,15938)	1:23:A:THR:HG23	1:22:A:ILE:HG22	27	1.44
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG21	6	1.44
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG23	11	1.44
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG23	12	1.44
(1,14604)	1:23:A:THR:HG23	1:22:A:ILE:HG22	27	1.44
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	17	1.44
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	5	1.44
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	29	1.43
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	8	1.43
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	8	1.43
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	8	1.43
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	23	1.43
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	23	1.43
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	23	1.43
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.43
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.43
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.43
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.43
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.43
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	8	1.43
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	8	1.43
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	8	1.43
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	23	1.43
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	23	1.43
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	23	1.43
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	8	1.43
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	8	1.43
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	8	1.43
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	23	1.43
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	23	1.43
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	23	1.43
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.43
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.43
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.43
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.43
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.43
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.43
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	8	1.43
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	8	1.43
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	8	1.43
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	23	1.43
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	23	1.43
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	23	1.43
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	6	1.43
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	6	1.43
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	6	1.43
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	25	1.43
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	25	1.43
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.43
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.43
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.43
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.43
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	22	1.43
(1,4998)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.43
(1,4998)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.43
(1,4998)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.43
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.43
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	19	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:35:A:LYS:HE3	1:38:A:VAL:HG21	27	1.43
(1,2313)	1:35:A:LYS:HE3	1:38:A:VAL:HG22	27	1.43
(1,2313)	1:35:A:LYS:HE3	1:38:A:VAL:HG23	27	1.43
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	15	1.42
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	15	1.42
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	1.42
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	1.42
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	1.42
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	9	1.42
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	9	1.42
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	9	1.42
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	13	1.42
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	1.42
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	2	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	2	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	2	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	5	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	5	1.41
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	5	1.41
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	2	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	2	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	2	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	5	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	5	1.41
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	5	1.41
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	2	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	2	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	2	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	5	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	5	1.41
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	5	1.41
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	2	1.41
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	2	1.41
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	2	1.41
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	5	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	5	1.41
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	5	1.41
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	6	1.41
(1,15938)	1:23:A:THR:HG22	1:22:A:ILE:HG21	24	1.41
(1,14604)	1:23:A:THR:HG22	1:22:A:ILE:HG21	24	1.41
(1,13365)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	1.41
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.41
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.41
(1,13159)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.41
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.41
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.41
(1,10477)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.41
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	22	1.41
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	28	1.41
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	16	1.41
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	22	1.41
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.41
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.41
(1,3741)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.41
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.41
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.41
(1,2396)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.41
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	14	1.41
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	10	1.41
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	9	1.41
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	9	1.41
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	9	1.41
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG11	27	1.41
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG12	27	1.41
(1,1058)	1:43:A:LYS:HD2	1:47:A:VAL:HG13	27	1.41
(3,34)	1:85:A:GLY:H	1:84:A:THR:HB	4	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	10	1.4
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	10	1.4
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	10	1.4
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	18	1.4
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	18	1.4
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	18	1.4
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	9	1.4
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	9	1.4
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	9	1.4
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	9	1.4
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	9	1.4
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	9	1.4
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	10	1.4
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	10	1.4
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	10	1.4
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	18	1.4
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	18	1.4
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	18	1.4
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	10	1.4
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	10	1.4
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	10	1.4
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	18	1.4
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	18	1.4
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	18	1.4
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	9	1.4
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	9	1.4
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	9	1.4
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	9	1.4
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	9	1.4
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	9	1.4
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	10	1.4
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	10	1.4
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	10	1.4
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	18	1.4
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	18	1.4
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	18	1.4
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	9	1.4
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	9	1.4
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	9	1.4
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.4
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.4
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.4
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.4
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.4
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	1	1.4
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	1	1.4
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	1	1.4
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	23	1.4
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	18	1.4
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.39
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.39
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.39
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.39
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.39
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.39
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.39
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.39
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.39
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.39
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.39
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.39
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.39
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.39
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	4	1.39
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	4	1.39
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	4	1.39
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	9	1.39
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	18	1.39
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	18	1.39
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	18	1.39
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.38
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.38
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.38
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	22	1.38
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	24	1.38
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	6	1.38
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	13	1.37
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	13	1.37
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	13	1.37
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	13	1.37
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	13	1.37
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	13	1.37
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	13	1.37
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	13	1.37
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	13	1.37
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	13	1.37
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	13	1.37
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	13	1.37
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	10	1.37
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	10	1.37
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	10	1.37
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.37
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.37
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.37
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.37
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.37
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.37
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	12	1.37
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	12	1.37
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	12	1.37
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.37
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.37
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.37
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.37
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.37
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.37
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.37
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.37
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.37
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	16	1.37
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	20	1.37
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	29	1.37
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	29	1.37
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	29	1.37
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	26	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	26	1.36
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	26	1.36
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	29	1.36
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	29	1.36
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	29	1.36
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	29	1.36
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	29	1.36
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	29	1.36
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	29	1.36
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	29	1.36
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	29	1.36
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	29	1.36
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	29	1.36
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	29	1.36
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	29	1.36
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	29	1.36
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	29	1.36
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	29	1.36
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	29	1.36
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	29	1.36
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	1	1.36
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	1	1.36
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	1	1.36
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	21	1.36
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	21	1.36
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	1	1.36
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	1	1.36
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	1	1.36
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	21	1.36
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	1	1.36
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	1	1.36
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	1	1.36
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	21	1.36
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	21	1.36
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	1	1.36
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	1	1.36
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	1	1.36
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	21	1.36
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	21	1.36
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	24	1.36
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	24	1.36
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	24	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	21	1.36
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	18	1.36
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	18	1.36
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	18	1.36
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	1.36
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	1.36
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	24	1.35
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	24	1.35
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	24	1.35
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	4	1.35
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	4	1.35
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	15	1.35
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	14	1.34
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	14	1.34
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	14	1.34
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	14	1.34
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	14	1.34
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	14	1.34
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	14	1.34
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	14	1.34
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	14	1.34
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	14	1.34
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	14	1.34
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	14	1.34
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	5	1.34
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	14	1.34
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	14	1.34
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	14	1.34
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD11	6	1.34
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD12	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD13	6	1.34
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	21	1.34
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	24	1.34
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG11	3	1.34
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG12	3	1.34
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG13	3	1.34
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	4	1.33
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	27	1.33
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	6	1.33
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	28	1.33
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	19	1.33
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	23	1.33
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	24	1.32
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	22	1.32
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	2	1.32
(1,11949)	1:8:A:VAL:HG23	1:37:A:PRO:HG2	12	1.32
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	1.32
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	22	1.32
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	22	1.32
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	22	1.32
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	22	1.32
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	1.32
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	1.32
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	1.32
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	22	1.32
(1,2361)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.32
(1,2361)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.32
(1,2361)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.32
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	1.32
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	1.32
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	1.32
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	22	1.32
(1,1025)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.32
(1,1025)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.32
(1,1025)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.32
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,7989)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	1.31
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	29	1.31
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	29	1.31
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	29	1.31
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.31
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.31
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.31
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.31
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.31
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	2	1.31
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	11	1.31
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	11	1.3
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	11	1.3
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	11	1.3
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	29	1.3
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	29	1.3
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	29	1.3
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	8	1.3
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	8	1.3
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	8	1.3
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	23	1.3
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,11949)	1:8:A:VAL:HG23	1:37:A:PRO:HG2	3	1.3
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	29	1.3
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	23	1.3
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	23	1.3
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	1	1.3
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	1	1.3
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	1	1.3
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	7	1.3
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	7	1.3
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	7	1.3
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	23	1.3
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.3
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.3
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.3
(1,3851)	1:52:A:LYS:HD2	1:48:A:ASP:HB2	13	1.3
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	23	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	23	1.3
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	23	1.3
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	29	1.3
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	17	1.29
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	17	1.29
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	17	1.29
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	12	1.29
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	7	1.29
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	7	1.29
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.29
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.29
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	11	1.29
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.29
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.29
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.29
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	18	1.29
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	18	1.29
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	18	1.29
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	11	1.29
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.29
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.29
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.29
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.29
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.29
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.29
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	1.29
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.29
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.29
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.29
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.29
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.29
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	26	1.28
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	26	1.28
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	26	1.28
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.28
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.28
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.28
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	1	1.28
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.28
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.28
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.28
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.28
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.28
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.28
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.28
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.28
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.28
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	16	1.28
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	16	1.28
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	16	1.28
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	28	1.28
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	28	1.28
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	28	1.28
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.28
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.28
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	9	1.28
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.28
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.28
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.28
(1,2361)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.28
(1,2361)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.28
(1,2361)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.28
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.28
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.28
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.28
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.28
(1,1025)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.28
(1,1025)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.28
(1,1025)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.28
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	15	1.27
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	15	1.27
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	15	1.27
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	20	1.27
(1,11974)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.27
(1,11974)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.27
(1,11974)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.27
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	13	1.27
(1,9297)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.27
(1,9297)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.27
(1,9297)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.27
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	1.27
(1,7940)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.27
(1,7940)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.27
(1,7940)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	13	1.27
(1,3906)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.27
(1,3906)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.27
(1,3906)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.27
(1,2560)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.27
(1,2560)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.27
(1,2560)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.27
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	7	1.26
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	7	1.26
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	7	1.26
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.26
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.26
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.26
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.26
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.26
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.26
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	1.26
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	25	1.26
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	25	1.26
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	25	1.26
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	19	1.26
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	19	1.26
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	19	1.26
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	11	1.26
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	17	1.26
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	10	1.25
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	10	1.25
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	10	1.25
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	25	1.25
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	25	1.25
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	25	1.25
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	25	1.25
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	25	1.25
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	25	1.25
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	25	1.25
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	25	1.25
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	25	1.25
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	25	1.25
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	25	1.25
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	25	1.25
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	5	1.25
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	5	1.25
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	5	1.25
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	28	1.25
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	5	1.25
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	28	1.25
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	20	1.25
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	20	1.25
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	20	1.25
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	25	1.25
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	20	1.25
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	20	1.25
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	20	1.25
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	20	1.25
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	20	1.25
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	9	1.24
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	9	1.24
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	9	1.24
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	11	1.24
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	11	1.24
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	11	1.24
(1,11949)	1:8:A:VAL:HG23	1:37:A:PRO:HG2	7	1.24
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	1.24
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	4	1.24
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	8	1.24
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	20	1.23
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	20	1.23
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	20	1.23
(2,907)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,827)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,753)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,668)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,588)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,505)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,427)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,346)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,268)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,186)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,114)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(2,40)	1:21:A:SER:HB2	1:23:A:THR:HB	25	1.23
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	17	1.23
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.23
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.23
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.23
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.23
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.23
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.23
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.23
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.23
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.23
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.23
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	8	1.23
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.23
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.23
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.23
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	7	1.23
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	16	1.23
(3,647)	1:54:A:GLY:H	1:58:A:GLN:HE21	14	1.22
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	29	1.22
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	29	1.22
(2,599)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	29	1.22
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	29	1.22
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	29	1.22
(2,520)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	29	1.22
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	29	1.22
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	29	1.22
(2,357)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	29	1.22
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	29	1.22
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	29	1.22
(2,282)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	29	1.22
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	21	1.22
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	21	1.22
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	21	1.22
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD21	29	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD22	29	1.22
(2,51)	1:45:A:LYS:HB2	1:104:A:LEU:HD23	29	1.22
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	10	1.22
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	29	1.22
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	10	1.22
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	29	1.22
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	10	1.22
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	29	1.22
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	23	1.22
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	23	1.22
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	23	1.22
(1,6388)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.22
(1,6388)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.22
(1,6388)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.22
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	10	1.22
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	29	1.22
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	21	1.22
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	21	1.22
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	21	1.22
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	10	1.22
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	29	1.22
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	1.22
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	10	1.22
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	29	1.22
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	1.22
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	10	1.22
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	29	1.22
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	18	1.21
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	18	1.21
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	18	1.21
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.21
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.21
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.21
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.21
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.21
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.21
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.21
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.21
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.21
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.21
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.21
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	6	1.21
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	16	1.21
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	1.21
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	21	1.21
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	21	1.21
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	21	1.21
(1,1169)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	22	1.21
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.2
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.2
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.2
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.2
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.2
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.2
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	1.2
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.2
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.2
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.2
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	1.2
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.2
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.2
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.2
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	1.2
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	1.2
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	1.2
(1,6254)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.2
(1,6254)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.2
(1,6254)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.2
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	27	1.2
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	27	1.2
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	27	1.2
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.2
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.2
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.2
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	10	1.2
(1,4915)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.2
(1,4915)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.2
(1,4915)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.2
(1,3574)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.2
(1,3574)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.2
(1,3574)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.2
(1,2229)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.2
(1,2229)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.2
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.2
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.2
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.2
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	8	1.19
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	8	1.19
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	8	1.19
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	4	1.19
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	4	1.19
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	4	1.19
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	29	1.19
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	29	1.19
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	29	1.19
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	17	1.19
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	24	1.19
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	1.19
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	1.19
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	1.19
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	1.19
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	1.19
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	1.19
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.19
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.19
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.19
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.19
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.19
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.19
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.19
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.19
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.19
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.19
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.19
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.19
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.19
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.19
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.19
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.19
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.19
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.19
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.19
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.19
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	19	1.19
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.19
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.19
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.19
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.19
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.19
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.19
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.19
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.19
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.19
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.19
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.19
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	11	1.19
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	11	1.19
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	11	1.19
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.19
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.19
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.19
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.19
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.19
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.19
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	14	1.19
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.19
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.19
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.19
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.19
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.19
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.19
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	1.19
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	1.19
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	1.19
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	1.19
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	1.19
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	1.19
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	3	1.19
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	3	1.19
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	3	1.19
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.19
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.19
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.19
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	2	1.18
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	2	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	2	1.18
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	10	1.18
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG11	25	1.18
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG12	25	1.18
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG13	25	1.18
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	10	1.18
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	16	1.18
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	26	1.18
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.18
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	16	1.18
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	1.18
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	16	1.18
(1,6388)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.18
(1,6388)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.18
(1,6388)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.18
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.18
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	16	1.18
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.18
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	19	1.18
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	26	1.18
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	16	1.18
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.18
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	16	1.18
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	9	1.18
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	16	1.18
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.18
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	9	1.18
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	1	1.17
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	25	1.17
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	24	1.17
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	24	1.17
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	24	1.17
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	24	1.17
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	24	1.17
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	24	1.17
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	24	1.17
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	24	1.17
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	24	1.17
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	24	1.17
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	24	1.17
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	24	1.17
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	1.17
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,10638)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.17
(1,10638)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.17
(1,10638)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.17
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	1.17
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	1.17
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	1.17
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,6591)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.17
(1,6591)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.17
(1,6591)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.17
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,5248)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.17
(1,5248)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.17
(1,5248)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.17
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	6	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	1.17
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	1.17
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	1.17
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	14	1.17
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	14	1.17
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	14	1.17
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	1.17
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(1,1219)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	1.17
(1,1219)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	1.17
(1,1219)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	1.17
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	3	1.17
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG11	22	1.17
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG12	22	1.17
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG13	22	1.17
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	6	1.16
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	6	1.16
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	6	1.16
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	15	1.16
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	24	1.16
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	21	1.16
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	21	1.16
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	1.16
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	14	1.16
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	1.16
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	1.16
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	23	1.16
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	1.16
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	19	1.16
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	19	1.16
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	19	1.16
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	1	1.16
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	14	1.16
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	27	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	2	1.16
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	2	1.16
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	2	1.16
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.16
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.16
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.16
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	5	1.16
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	5	1.16
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	5	1.16
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	1.16
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	15	1.15
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	15	1.15
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	15	1.15
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	19	1.15
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	1	1.15
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	1	1.15
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	1	1.15
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	1.15
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	1.15
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	1.15
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	1.15
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	1.15
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	1.15
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	2	1.15
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	8	1.15
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	2	1.15
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	8	1.15
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	12	1.15
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	2	1.15
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	8	1.15
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	21	1.15
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	21	1.15
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	21	1.15
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	26	1.15
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	2	1.15
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	8	1.15
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	25	1.15
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	2	1.15
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	8	1.15
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	2	1.15
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	8	1.15
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	2	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	8	1.15
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	18	1.14
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	18	1.14
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	18	1.14
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	29	1.14
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	29	1.14
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	29	1.14
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	19	1.14
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	19	1.14
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	19	1.14
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	19	1.14
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	19	1.14
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	19	1.14
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	19	1.14
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	19	1.14
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	19	1.14
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	19	1.14
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	19	1.14
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	19	1.14
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	1.14
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	1.14
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	1.14
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	14	1.14
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	1.14
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	1.14
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	1.14
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	14	1.14
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	1	1.14
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	19	1.14
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	1	1.14
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	2	1.14
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	1	1.14
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	5	1.14
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	1	1.14
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	4	1.14
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	4	1.14
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	4	1.14
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	1	1.14
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	1	1.14
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	19	1.14
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	19	1.14
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	1	1.14
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	4	1.13
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	12	1.13
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	20	1.13
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	1.13
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	8	1.13
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	1.13
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	1.13
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	1.13
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	1.13
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	22	1.13
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	1.13
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	1.13
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	1.13
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	1.13
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	1.13
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	1.13
(1,14468)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.12
(1,14468)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.12
(1,14468)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.12
(1,11788)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.12
(1,11788)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.12
(1,11788)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.12
(1,10443)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.12
(1,10443)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.12
(1,10443)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.12
(1,9099)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.12
(1,9099)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.12
(1,9099)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.12
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	22	1.12
(1,7740)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.12
(1,7740)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.12
(1,7740)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.12
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	21	1.12
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	21	1.12
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	21	1.12
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	1	1.12
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	1	1.12
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	1	1.12
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	15	1.12
(1,5047)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.12
(1,5047)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5047)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.12
(1,3709)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	1.12
(1,3709)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	1.12
(1,3709)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	1.12
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	1.12
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	1.12
(1,1361)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	1.12
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	1.12
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	1.12
(1,35)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	1.12
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	1	1.11
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	1	1.11
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	1	1.11
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	24	1.11
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	25	1.11
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	20	1.11
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	20	1.11
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	20	1.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	1.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	1.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	1.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	1.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	1.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	5	1.11
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(1,9342)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	1.11
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	16	1.11
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	9	1.11
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	9	1.11
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	9	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.11
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.11
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.11
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.11
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.11
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.11
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	21	1.11
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	21	1.11
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	21	1.11
(1,3550)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	1.11
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	1.11
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	1.11
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG11	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG12	16	1.11
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG13	16	1.11
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG11	23	1.11
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG12	23	1.11
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG13	23	1.11
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	10	1.1
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	19	1.1
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	19	1.1
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	19	1.1
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	9	1.1
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	9	1.1
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	1.1
(1,12992)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.1
(1,12992)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.1
(1,12992)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.1
(1,11657)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.1
(1,11657)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.1
(1,11657)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.1
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	1	1.1
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	1	1.1
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	1	1.1
(1,10309)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.1
(1,10309)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.1
(1,10309)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.1
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	1.1
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	10	1.1
(1,8964)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.1
(1,8964)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.1
(1,8964)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.1
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	3	1.1
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	6	1.1
(1,7605)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.1
(1,7605)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.1
(1,7605)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.1
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	1.1
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	23	1.1
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	1	1.1
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	1	1.1
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	1	1.1
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	1.1
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	1.1
(1,1169)	1:52:A:LYS:HD2	1:48:A:ASP:HB2	13	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	16	1.1
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	16	1.1
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	16	1.1
(1,892)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	25	1.1
(1,892)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	25	1.1
(1,892)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	25	1.1
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	22	1.09
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	8	1.09
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	16	1.09
(2,911)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,832)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,760)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,675)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,595)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,513)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,435)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,353)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,275)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,194)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,121)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(2,46)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	14	1.09
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.09
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.09
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.09
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	4	1.09
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.09
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.09
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.09
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.09
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.09
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.09
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.09
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.09
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.09
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.09
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	18	1.09
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	18	1.09
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	18	1.09
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	14	1.09
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	4	1.09
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.09
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.09
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	12	1.09
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	5	1.09
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	7	1.09
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	4	1.09
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	1.09
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	1.09
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	1.09
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	3	1.09
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	3	1.09
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	3	1.09
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	4	1.09
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.09
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.09
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	12	1.09
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	1.09
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	1.09
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	1.09
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	4	1.09
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	1.09
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	1.09
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	18	1.09
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	18	1.09
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	18	1.09
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	4	1.09
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	4	1.09
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	19	1.08
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	19	1.08
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	19	1.08
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	9	1.08
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	28	1.08
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	20	1.08
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	20	1.08
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	20	1.08
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	18	1.08
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	1.08
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.08
(1,14468)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.08
(1,14468)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.08
(1,14468)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.08
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	1.08
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.08
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.08
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.08
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.08
(1,11788)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.08
(1,11788)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.08
(1,11788)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.08
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(1,10443)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.08
(1,10443)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.08
(1,10443)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.08
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	1.08
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.08
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.08
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.08
(1,9099)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.08
(1,9099)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.08
(1,9099)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.08
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.08
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	1.08
(1,7740)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.08
(1,7740)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.08
(1,7740)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.08
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	1.08
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	1.08
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	3	1.08
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	22	1.08
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	24	1.08
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	19	1.08
(1,5047)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.08
(1,5047)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.08
(1,5047)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.08
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3709)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	1.08
(1,3709)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	1.08
(1,3709)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	1.08
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	11	1.08
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	11	1.08
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	11	1.08
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	15	1.08
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	15	1.08
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	15	1.08
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	1.08
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	19	1.08
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	19	1.08
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG11	27	1.08
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG12	27	1.08
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG13	27	1.08
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	29	1.07
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	23	1.07
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	25	1.07
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	25	1.07
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	25	1.07
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	5	1.07
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	1.07
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	1.07
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	1.07
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	1.07
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	5	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	1.07
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	1.07
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	1.07
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	1.07
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	1.07
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	1.07
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	1.07
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	1.07
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	1.07
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	14	1.07
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	14	1.07
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	14	1.07
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	1.07
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	1.07
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	1.07
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	1.07
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	5	1.07
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	5	1.07
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	5	1.07
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	17	1.07
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	17	1.07
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	17	1.07
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	13	1.07
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	21	1.07
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	13	1.07
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	13	1.07
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	1.07
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	1.07
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	1.07
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	1.07
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	25	1.07
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	1.07
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	1.07
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	1.07
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	5	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	6	1.06
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	11	1.06
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	18	1.06
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	20	1.06
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	1.06
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	1.06
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	1.06
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	1.06
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	1.06
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	1.06
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	1.06
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.06
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.06
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.06
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,13202)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	15	1.06
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.06
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.06
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.06
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	1.06
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,9177)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	15	1.06
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.06
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.06
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.06
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,7818)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	15	1.06
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	1.06
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	2	1.06
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	2	1.06
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	2	1.06
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.06
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.06
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.06
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	1.06
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	13	1.06
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	13	1.06
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	13	1.06
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.06
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.06
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,5124)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	15	1.06
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,3787)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	15	1.06
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	5	1.06
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	5	1.06
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	5	1.06
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,2442)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	15	1.06
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	1.06
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	1.06
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	1.06
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	1.06
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	28	1.06
(1,1103)	1:68:A:LYS:HE3	1:37:A:PRO:HD2	15	1.06
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	10	1.05
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	26	1.05
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	26	1.05
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	26	1.05
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	26	1.05
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	26	1.05
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	26	1.05
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	26	1.05
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	26	1.05
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	26	1.05
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	26	1.05
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	26	1.05
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	26	1.05
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	11	1.05
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	11	1.05
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	11	1.05
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	15	1.05
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	11	1.05
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	1.05
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	1.05
(1,4313)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	1.05
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	1.05
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	1.05
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	1.05
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	11	1.05
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	11	1.05
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	11	1.05
(2,746)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,659)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,579)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,497)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,419)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,338)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,259)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,178)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,104)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(2,30)	1:10:A:ARG:H	1:100:A:SER:HB2	7	1.04
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	8	1.04
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	12	1.04
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	12	1.04
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	1.04
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	25	1.04
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	12	1.04
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	4	1.04
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	4	1.04
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	4	1.04
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	21	1.04
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	1.04
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	1	1.04
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	20	1.04
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	25	1.04
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	12	1.04
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	1.04
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	1.04
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	1.04
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	12	1.04
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	19	1.04
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	19	1.04
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	19	1.04
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	12	1.04
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	18	1.04
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	12	1.04
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	11	1.03
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	15	1.03
(2,746)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,659)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,579)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,497)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,419)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,338)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,259)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,178)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,104)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(2,30)	1:10:A:ARG:H	1:100:A:SER:HB2	10	1.03
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	1.03
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	18	1.03
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.03
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.03
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.03
(1,11633)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	4	1.03
(1,11633)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	22	1.03
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.03
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.03
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.03
(1,10284)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	4	1.03
(1,10284)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	22	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	1.03
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	22	1.03
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	18	1.03
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	1.03
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	18	1.03
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	1.03
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	6	1.03
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	28	1.03
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	22	1.03
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	22	1.03
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	22	1.03
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	12	1.03
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	18	1.03
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	18	1.03
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.03
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.03
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.03
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	12	1.03
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	8	1.03
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	18	1.03
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.03
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.03
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.03
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	1.03
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	12	1.03
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	8	1.03
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	18	1.03
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	15	1.03
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	15	1.03
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	15	1.03
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	26	1.02
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	28	1.02
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	6	1.02
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	6	1.02
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	6	1.02
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	5	1.02
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,11633)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	17	1.02
(1,11633)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	18	1.02
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,10284)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	17	1.02
(1,10284)	1:36:A:PRO:HB2	1:36:A:PRO:HD2	18	1.02
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	15	1.02
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	5	1.02
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	5	1.02
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	5	1.02
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	4	1.02
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	5	1.02
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	5	1.02
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	5	1.02
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	8	1.02
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	2	1.01
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	12	1.01
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.01
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.01
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.01
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.01
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	1.01
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,8940)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.01
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.01
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	8	1.01
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,7581)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	1.01
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	1.01
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.01
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.01
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.01
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.01
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.01
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.01
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.01
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	16	1.01
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	1.01
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	1.01
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	1.01
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	1.01
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	16	1.01
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	16	1.01
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	1.01
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	1.01
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	1.01
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	1.01
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	1.01
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	1.01
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	1.01
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	10	1.01
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	22	1.01
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	24	1.0
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	14	1.0
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	14	1.0
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	14	1.0
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	10	1.0
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.0
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.0
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.0
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	1.0
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	1.0
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	1.0
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	1.0
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.0
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.0
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.0
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	1.0
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	1.0
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	1.0
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	1.0
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	1.0
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	1.0
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	1.0
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	1.0
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	1.0
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	2	1.0
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	1.0
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	1.0
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	1.0
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	1.0
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	1.0
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	1.0
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	9	1.0
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	9	1.0
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	1.0
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	1.0
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	1.0
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	1.0
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	10	1.0
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	10	1.0
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	10	1.0
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	1.0
(3,647)	1:54:A:GLY:H	1:58:A:GLN:HE21	5	0.99
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	0.99
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	0.99
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.99
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.99
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.99
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.99
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.99
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.99
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	0.99
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	0.99
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	0.99
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	0.99
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	0.99
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	0.99
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.99
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.99
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.99
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	12	0.99
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	0.99
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	0.99
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	0.99
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	0.99
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	0.99
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	0.99
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	17	0.99
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	24	0.99
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.99
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.99
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.99
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.99
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.99
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.99
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.99
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.99
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.99
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	19	0.99
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	19	0.99
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	17	0.99
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	24	0.99
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	5	0.99
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	5	0.99
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	5	0.99
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	19	0.99
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	1	0.99
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	1	0.99
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	1	0.99
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	4	0.99
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	4	0.99
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	4	0.99
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.99
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.99
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.99
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	19	0.99
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	14	0.99
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.99
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.99
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.99
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	14	0.99
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	14	0.98
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	23	0.98
(1,15755)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,15755)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,15755)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,14420)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,14420)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,14420)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,14337)	1:108:A:GLU:HG3	1:18:A:VAL:HG11	25	0.98
(1,14337)	1:108:A:GLU:HG3	1:18:A:VAL:HG12	25	0.98
(1,14337)	1:108:A:GLU:HG3	1:18:A:VAL:HG13	25	0.98
(1,13076)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,13076)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,13076)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG2	27	0.98
(1,11739)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,11739)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,11739)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,10393)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,10393)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,10393)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	19	0.98
(1,9049)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,9049)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,9049)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	21	0.98
(1,7689)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,7689)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,7689)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,6338)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,6338)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,6338)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	20	0.98
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	15	0.98
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	15	0.98
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	15	0.98
(1,3659)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,3659)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,3659)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	20	0.98
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.98
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.98
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.98
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.98
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	20	0.98
(1,978)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.98
(1,978)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.98
(1,978)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.98
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	0.97
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	0.97
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	0.97
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.97
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	0.97
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	0.97
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	0.97
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	0.97
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	0.97
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	13	0.97
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.97
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	13	0.97
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	0.97
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	0.97
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	0.97
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	4	0.97
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.97
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	0.97
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	24	0.97
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	24	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	24	0.97
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	8	0.97
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	0.97
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	0.97
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	0.97
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	0.97
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	0.97
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	18	0.97
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	18	0.97
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	18	0.97
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.97
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	21	0.97
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	21	0.97
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	21	0.97
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	12	0.96
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,746)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,659)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,579)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,497)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,419)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,338)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,259)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,178)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,104)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(2,30)	1:10:A:ARG:H	1:100:A:SER:HB2	22	0.96
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	22	0.96
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	14	0.96
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	14	0.96
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	0.96
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	0.96
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	19	0.96
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	19	0.96
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	19	0.96
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	20	0.96
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	11	0.96
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	17	0.96
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	0.96
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	11	0.96
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	13	0.96
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	23	0.96
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	1	0.96
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	14	0.96
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	27	0.96
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	0.96
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.96
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.96
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.96
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	23	0.96
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	0.96
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	19	0.96
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	19	0.96
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	19	0.96
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	11	0.96
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	13	0.96
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	23	0.96
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	11	0.96
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	13	0.96
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	12	0.96
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	28	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,746)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,659)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	28	0.95
(2,579)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	28	0.95
(2,497)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,419)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	28	0.95
(2,338)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	28	0.95
(2,259)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	28	0.95
(2,178)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	28	0.95
(2,104)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	28	0.95
(2,30)	1:10:A:ARG:H	1:100:A:SER:HB2	1	0.95
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.95
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.95
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.95
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.95
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.95
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.95
(1,12381)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.95
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.95
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.95
(1,11044)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.95
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.95
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.95
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.95
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.95
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.95
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.95
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.95
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.95
(1,6994)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.95
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.95
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.95
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	20	0.95
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.95
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.95
(1,5649)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.95
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.95
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.95
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.95
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	12	0.95
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	12	0.95
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	12	0.95
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	2	0.95
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	2	0.95
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	2	0.95
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.95
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.95
(1,1624)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.95
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.95
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.95
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.95
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	1	0.95
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.95
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.95
(1,292)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.95
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	7	0.94
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	17	0.94
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	27	0.94
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	2	0.94
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	2	0.94
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	2	0.94
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	2	0.94
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	2	0.94
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	2	0.94
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	2	0.94
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	2	0.94
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	21	0.94
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.94
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.94
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.94
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.94
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.94
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.94
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.94
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.94
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	1	0.94
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	20	0.94
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	25	0.94
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.94
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.94
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.94
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.94
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.94
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.94
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.94
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	4	0.94
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	8	0.94
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.94
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.94
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.94
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	24	0.94
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	5	0.94
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	2	0.94
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	5	0.94
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	18	0.94
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	2	0.94
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	24	0.94
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	2	0.94
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.94
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.94
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.94
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.94
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	24	0.94
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	25	0.93
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	26	0.93
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	0.93
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	20	0.93
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	6	0.93
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	11	0.93
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	6	0.93
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	11	0.93
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.93
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.93
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.93
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	10	0.93
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.93
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.93
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.93
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.93
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.93
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.93
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.93
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.93
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.93
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.93
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	7	0.93
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	0.93
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.93
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.93
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.93
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	6	0.93
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	6	0.93
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	6	0.93
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.93
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.93
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.93
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.93
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	11	0.93
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	11	0.93
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	11	0.93
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.93
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.93
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.93
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.93
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.93
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	22	0.93
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	10	0.93
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	10	0.93
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	10	0.93
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	25	0.93
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	25	0.93
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	25	0.93
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.93
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	10	0.93
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	4	0.93
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	22	0.93
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.93
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	1	0.92
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	9	0.92
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	17	0.92
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	11	0.92
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	22	0.92
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	22	0.92
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	22	0.92
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	22	0.92
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	22	0.92
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	22	0.92
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	14	0.92
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	14	0.92
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	14	0.92
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	8	0.92
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	10	0.92
(1,15805)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	0.92
(1,15805)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	0.92
(1,15805)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	0.92
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	8	0.92
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	10	0.92
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.92
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.92
(1,13455)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.92
(1,13128)	1:18:A:VAL:HG21	1:108:A:GLU:HA	1	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13128)	1:18:A:VAL:HG22	1:108:A:GLU:HA	1	0.92
(1,13128)	1:18:A:VAL:HG23	1:108:A:GLU:HA	1	0.92
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	21	0.92
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	21	0.92
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	21	0.92
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.92
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	10	0.92
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.92
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.92
(1,5389)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.92
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	1	0.92
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	22	0.92
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	22	0.92
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.92
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.92
(1,2702)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.92
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	21	0.92
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	21	0.92
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	21	0.92
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	22	0.92
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	15	0.92
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	4	0.92
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	15	0.92
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	4	0.92
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	27	0.91
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	16	0.91
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	6	0.91
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	20	0.91
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.91
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	6	0.91
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	20	0.91
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	25	0.91
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.91
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.91
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.91
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.91
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.91
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.91
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	16	0.91
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	25	0.91
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	16	0.91
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	25	0.91
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.91
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.91
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.91
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.91
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.91
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.91
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.91
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	0.91
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.91
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.91
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.91
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	16	0.91
(1,4893)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	0.91
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.91
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	15	0.91
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	15	0.91
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	15	0.91
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	24	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	24	0.91
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	24	0.91
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	0.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	6	0.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	6	0.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	6	0.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	11	0.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	11	0.91
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	11	0.91
(1,2207)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	0.91
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.91
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.91
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.91
(1,868)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	0.91
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG11	9	0.91
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG12	9	0.91
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG13	9	0.91
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	0.9
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.9
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	14	0.9
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	0.9
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	0.9
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	0.9
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	0.9
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	0.9
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	0.9
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	2	0.9
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	0.9
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	0.9
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	3	0.9
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	6	0.9
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	23	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	0.9
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	25	0.9
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	25	0.9
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	25	0.9
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	3	0.9
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	6	0.9
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	0.9
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	3	0.9
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	6	0.9
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	4	0.9
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	4	0.9
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	4	0.9
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	9	0.9
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	7	0.89
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	8	0.89
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	8	0.89
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG3	21	0.89
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	8	0.89
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	12	0.89
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG3	21	0.89
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	8	0.89
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	7	0.89
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	14	0.89
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	20	0.89
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	12	0.89
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	19	0.89
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	17	0.89
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	24	0.89
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	19	0.89
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	5	0.89
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	5	0.89
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	3	0.89
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	3	0.89
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	3	0.89
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	5	0.89
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	7	0.89
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	5	0.89
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	7	0.89
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	12	0.89
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	5	0.89
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	7	0.89
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	12	0.89
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	19	0.89
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	25	0.89
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG21	8	0.88
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG22	8	0.88
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG23	8	0.88
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	14	0.88
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	29	0.88
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	8	0.88
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	8	0.88
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	8	0.88
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	8	0.88
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	8	0.88
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	8	0.88
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	8	0.88
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	22	0.88
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	8	0.88
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	29	0.88
(1,15805)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	0.88
(1,15805)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	0.88
(1,15805)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	0.88
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	29	0.88
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	25	0.88
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	18	0.88
(1,13128)	1:18:A:VAL:HG21	1:108:A:GLU:HA	25	0.88
(1,13128)	1:18:A:VAL:HG22	1:108:A:GLU:HA	25	0.88
(1,13128)	1:18:A:VAL:HG23	1:108:A:GLU:HA	25	0.88
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	0.88
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	0.88
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.88
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.88
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.88
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	9	0.88
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.88
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.88
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	26	0.88
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.88
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.88
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	3	0.88
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	22	0.88
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	24	0.88
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.88
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	0.88
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	10	0.88
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.88
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.88
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.88
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	0.88
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.88
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	19	0.88
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	19	0.88
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.88
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	9	0.87
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	12	0.87
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	25	0.87
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	25	0.87
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	25	0.87
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	25	0.87
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	25	0.87
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	25	0.87
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	25	0.87
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	25	0.87
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	28	0.87
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	2	0.87
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	0.87
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.87
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	2	0.87
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,13317)	1:91:A:VAL:HG21	1:38:A:VAL:HA	25	0.87
(1,13317)	1:91:A:VAL:HG22	1:38:A:VAL:HA	25	0.87
(1,13317)	1:91:A:VAL:HG23	1:38:A:VAL:HA	25	0.87
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	0.87
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	0.87
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.87
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	14	0.87
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	14	0.87
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	14	0.87
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG21	1	0.87
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG22	1	0.87
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG23	1	0.87
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.87
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.87
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.87
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	0.87
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	5	0.87
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	13	0.87
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	12	0.87
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.87
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	18	0.87
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	18	0.87
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	18	0.87
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	0.87
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	14	0.87
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	14	0.87
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	14	0.87
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.87
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.87
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.87
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.87
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	29	0.87
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	13	0.87
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD2	29	0.87
(3,647)	1:54:A:GLY:H	1:58:A:GLN:HE21	11	0.86
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	13	0.86
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	13	0.86
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	21	0.86
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	16	0.86
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	17	0.86
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	19	0.86
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	19	0.86
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	7	0.86
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	7	0.86
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	7	0.86
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	7	0.86
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	7	0.86
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	7	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	7	0.86
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	7	0.86
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	12	0.86
(1,15930)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	0.86
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.86
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	12	0.86
(1,14594)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	19	0.86
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.86
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.86
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.86
(1,13259)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	0.86
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	0.86
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	0.86
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	0.86
(1,11917)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	0.86
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	2	0.86
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	2	0.86
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	2	0.86
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.86
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.86
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.86
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	23	0.86
(1,10577)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	19	0.86
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	0.86
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	0.86
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	0.86
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	23	0.86
(1,9234)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	19	0.86
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.86
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.86
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.86
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	15	0.86
(1,7874)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.86
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.86
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.86
(1,6522)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.86
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.86
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.86
(1,5179)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.86
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	0.86
(1,3841)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	0.86
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	2	0.86
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	2	0.86
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	2	0.86
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	3	0.86
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	3	0.86
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	3	0.86
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	1	0.86
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	14	0.86
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	27	0.86
(1,2498)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.86
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.86
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.86
(1,1158)	1:88:A:ARG:HB2	1:40:A:LYS:HD3	24	0.86
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	12	0.85
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	24	0.85
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	6	0.85
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	26	0.85
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	27	0.85
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	8	0.85
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	19	0.85
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	18	0.85
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	22	0.85
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.85
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.85
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.85
(1,15070)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.85
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	22	0.85
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	19	0.85
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.85
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.85
(1,13719)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.85
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	12	0.85
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	12	0.85
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.85
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.85
(1,8350)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.85
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.85
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.85
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.85
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	25	0.85
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	26	0.85
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	20	0.85
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	20	0.85
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	15	0.85
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	11	0.85
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	10	0.85
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	10	0.85
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	10	0.85
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	2	0.85
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	2	0.85
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	2	0.85
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.85
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.85
(1,2964)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.85
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	1	0.85
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	1	0.85
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	1	0.85
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	6	0.84
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	27	0.84
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	23	0.84
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	26	0.84
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	22	0.84
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	9	0.84
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	21	0.84
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	3	0.84
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.84
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.84
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	5	0.84
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	4	0.84
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	4	0.84
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	4	0.84
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	2	0.84
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	5	0.84
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	2	0.84
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	18	0.84
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	5	0.84
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	8	0.84
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.84
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	25	0.84
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	21	0.84
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	7	0.84
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	15	0.84
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	18	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	8	0.84
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	25	0.84
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	4	0.84
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	4	0.84
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	4	0.84
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	25	0.84
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	5	0.84
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	1	0.84
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	20	0.84
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	25	0.84
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	0.84
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	1	0.84
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	20	0.84
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	25	0.84
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	29	0.83
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	11	0.83
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	16	0.83
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	16	0.83
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	9	0.83
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	9	0.83
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	9	0.83
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	15	0.83
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.83
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	13	0.83
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	15	0.83
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	6	0.83
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	9	0.83
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	0.83
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	0.83
(1,11949)	1:8:A:VAL:HG23	1:37:A:PRO:HG2	20	0.83
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	0.83
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.83
(1,8977)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.83
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.83
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.83
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.83
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	11	0.83
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	11	0.83
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	11	0.83
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.83
(1,6267)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.83
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	0.83
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	6	0.83
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	28	0.83
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.83
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	1	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	2	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	4	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	5	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	10	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	16	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	19	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	20	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	21	0.83
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	24	0.83
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	0.83
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	10	0.83
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	10	0.83
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	10	0.83
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	25	0.83
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	25	0.83
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	25	0.83
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.83
(1,3587)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.83
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	0.83
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	0.83
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.83
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.83
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.83
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.83
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	6	0.82
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	14	0.82
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	29	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	16	0.82
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	17	0.82
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	20	0.82
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	25	0.82
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	27	0.82
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	26	0.82
(2,746)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,746)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,659)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,659)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,579)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,579)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,497)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,497)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,419)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,419)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,338)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,338)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,259)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,259)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,178)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,178)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,104)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,104)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(2,30)	1:10:A:ARG:H	1:100:A:SER:HB2	4	0.82
(2,30)	1:10:A:ARG:H	1:100:A:SER:HB2	25	0.82
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	1	0.82
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	7	0.82
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.82
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	1	0.82
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	7	0.82
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	8	0.82
(1,14261)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.82
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	22	0.82
(1,10235)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.82
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	22	0.82
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,7531)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.82
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.82
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.82
(1,6728)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.82
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	26	0.82
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	26	0.82
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	26	0.82
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	8	0.82
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	17	0.82
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	26	0.82
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	27	0.82
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	29	0.82
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(1,2157)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.82
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	4	0.82
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	2	0.81
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	13	0.81
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	19	0.81
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	26	0.81
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	1	0.81
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	2	0.81
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	20	0.81
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	10	0.81
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	10	0.81
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	5	0.81
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	5	0.81
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	12	0.81
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	12	0.81
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	12	0.81
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	5	0.81
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	5	0.81
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	12	0.81
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	12	0.81
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	12	0.81
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	5	0.81
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	5	0.81
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	5	0.81
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	25	0.81
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	5	0.81
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	4	0.81
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	7	0.81
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	3	0.81
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.81
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	3	0.81
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	18	0.81
(1,14313)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	0.81
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	9	0.81
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	0.81
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	0.81
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	0.81
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	0.81
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	0.81
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	0.81
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,11949)	1:8:A:VAL:HG23	1:37:A:PRO:HG2	16	0.81
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	0.81
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,10283)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	0.81
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	9	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	0.81
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	0.81
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	9	0.81
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	1	0.81
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.81
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.81
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	15	0.81
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	15	0.81
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	15	0.81
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	24	0.81
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	24	0.81
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	24	0.81
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	16	0.81
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	26	0.81
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	26	0.81
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	26	0.81
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	8	0.81
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	0.81
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	23	0.81
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	25	0.81
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	28	0.81
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	26	0.81
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	26	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	26	0.81
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	8	0.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	6	0.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	6	0.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	6	0.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	11	0.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	11	0.81
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	11	0.81
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	0.81
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.81
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	26	0.81
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	26	0.81
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	26	0.81
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	8	0.81
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	8	0.81
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	8	0.81
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	22	0.81
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	22	0.81
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	22	0.81
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.81
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.81
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.81
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	8	0.81
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	16	0.81
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	25	0.81
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.81
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	26	0.81
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	26	0.81
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	26	0.81
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	20	0.81
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	16	0.81
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	0.81
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.81
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	1	0.8
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	4	0.8
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	28	0.8
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	28	0.8
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	13	0.8
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	18	0.8
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	19	0.8
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	19	0.8
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	19	0.8
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	15	0.8
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	15	0.8
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	15	0.8
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	15	0.8
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	15	0.8
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	15	0.8
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	15	0.8
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	15	0.8
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	11	0.8
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	0.8
(1,15477)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.8
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.8
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.8
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	22	0.8
(1,14133)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	0.8
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	0.8
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	0.8
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	0.8
(1,12791)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	0.8
(1,11457)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	3	0.8
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	6	0.8
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	0.8
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	0.8
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	0.8
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10107)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	3	0.8
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	6	0.8
(1,8759)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	0.8
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.8
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.8
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.8
(1,7404)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	25	0.8
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	25	0.8
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	25	0.8
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	0.8
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	0.8
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	16	0.8
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	16	0.8
(1,6431)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	16	0.8
(1,6055)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	10	0.8
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	10	0.8
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	10	0.8
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	14	0.8
(1,4717)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	22	0.8
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HB2	23	0.8
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	4	0.8
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	4	0.8
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	4	0.8
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	0.8
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	0.8
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	0.8
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.8
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	23	0.8
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	2	0.8
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	20	0.8
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	20	0.8
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	20	0.8
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	0.8
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	0.8
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	0.8
(1,2029)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	28	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	2	0.8
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	21	0.8
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	21	0.8
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	21	0.8
(1,693)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	28	0.8
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	11	0.79
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	18	0.79
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	21	0.79
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	5	0.79
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	10	0.79
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	15	0.79
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	2	0.79
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	28	0.79
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.79
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	17	0.79
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	24	0.79
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	28	0.79
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	26	0.79
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	26	0.79
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.79
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.79
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.79
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	26	0.79
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	17	0.79
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	24	0.79
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	5	0.79
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	26	0.79
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.79
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.79
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.79
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	5	0.79
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	7	0.79
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	26	0.79
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	14	0.79
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.79
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	19	0.79
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.79
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	26	0.79
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	11	0.79
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	6	0.79
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	9	0.79
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	14	0.79
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	17	0.79
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	24	0.79
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	10	0.79
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	10	0.79
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	10	0.79
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	26	0.79
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	26	0.79
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	26	0.79
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.79
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.79
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.79
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.79
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.79
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.79
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.79
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.79
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	26	0.79
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	17	0.79
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	24	0.79
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	15	0.79
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	22	0.79
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	19	0.79
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.79
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.79
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.79
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.79
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.79
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.79
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.79
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.79
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.79
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	3	0.78
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	5	0.78
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	7	0.78
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	15	0.78
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	13	0.78
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	27	0.78
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	19	0.78
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	27	0.78
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	28	0.78
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	6	0.78
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	6	0.78
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.78
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.78
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.78
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.78
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.78
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.78
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.78
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	14	0.78
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	16	0.78
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	12	0.78
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.78
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	0.78
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	15	0.78
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	21	0.78
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	12	0.78
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	1	0.78
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.78
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	22	0.78
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.78
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.78
(1,10576)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.78
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	1	0.78
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	9	0.78
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.78
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.78
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.78
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	1	0.78
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	9	0.78
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.78
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	19	0.78
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.78
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.78
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.78
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	21	0.78
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	21	0.78
(1,4998)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.78
(1,4998)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.78
(1,4998)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.78
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	29	0.78
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	29	0.78
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	29	0.78
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	21	0.78
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	21	0.78
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	3	0.78
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	22	0.78
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	24	0.78
(1,2497)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.78
(1,2313)	1:35:A:LYS:HE2	1:38:A:VAL:HG21	10	0.78
(1,2313)	1:35:A:LYS:HE2	1:38:A:VAL:HG22	10	0.78
(1,2313)	1:35:A:LYS:HE2	1:38:A:VAL:HG23	10	0.78
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.78
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	10	0.78
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	10	0.78
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	14	0.77
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	1	0.77
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	20	0.77
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	19	0.77
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	22	0.77
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	9	0.77
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	8	0.77
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	8	0.77
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,777)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,699)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,614)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,534)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,453)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,368)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,293)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,211)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,136)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD11	15	0.77
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD12	15	0.77
(2,62)	1:12:A:GLN:HB2	1:22:A:ILE:HD13	15	0.77
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	15	0.77
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	29	0.77
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	0.77
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.77
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	29	0.77
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	29	0.77
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	22	0.77
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.77
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	22	0.77
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.77
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	22	0.77
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	22	0.77
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.77
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.77
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	12	0.77
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	14	0.77
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	14	0.77
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	14	0.77
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	4	0.77
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	22	0.77
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.77
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	4	0.77
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.77
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.77
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	4	0.77
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	22	0.77
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	5	0.77
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	13	0.77
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	26	0.77
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	5	0.77
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	13	0.77
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	4	0.76
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	10	0.76
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	10	0.76
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	10	0.76
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	10	0.76
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	10	0.76
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	10	0.76
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	10	0.76
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	0.76
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	28	0.76
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	0.76
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	0.76
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.76
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	0.76
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.76
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	18	0.76
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	0.76
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	23	0.76
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	0.76
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	25	0.76
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	25	0.76
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	25	0.76
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	20	0.76
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	11	0.76
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	17	0.76
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	25	0.76
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	25	0.76
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	25	0.76
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	20	0.76
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	5	0.76
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	25	0.76
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	25	0.76
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	25	0.76
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	20	0.76
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	22	0.76
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	22	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	22	0.76
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	19	0.76
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	25	0.76
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	25	0.76
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	25	0.76
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	8	0.76
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	23	0.76
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	1	0.76
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	14	0.76
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	27	0.76
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.76
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	22	0.76
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	3	0.75
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	22	0.75
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	22	0.75
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	22	0.75
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	23	0.75
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	23	0.75
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	23	0.75
(1,15840)	1:18:A:VAL:HG21	1:108:A:GLU:HG3	1	0.75
(1,15840)	1:18:A:VAL:HG22	1:108:A:GLU:HG3	1	0.75
(1,15840)	1:18:A:VAL:HG23	1:108:A:GLU:HG3	1	0.75
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB2	29	0.75
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.75
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.75
(1,14503)	1:18:A:VAL:HG21	1:108:A:GLU:HG3	1	0.75
(1,14503)	1:18:A:VAL:HG22	1:108:A:GLU:HG3	1	0.75
(1,14503)	1:18:A:VAL:HG23	1:108:A:GLU:HG3	1	0.75
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	23	0.75
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.75
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.75
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.75
(1,11949)	1:8:A:VAL:HG21	1:37:A:PRO:HG2	8	0.75
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	23	0.75
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	23	0.75
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG21	25	0.75
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG22	25	0.75
(1,9698)	1:108:A:GLU:H	1:18:A:VAL:HG23	25	0.75
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.75
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.75
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.75
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	23	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB2	29	0.75
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.75
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	10	0.75
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	10	0.75
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	10	0.75
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	12	0.75
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	11	0.75
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	20	0.75
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	23	0.75
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	20	0.75
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	20	0.75
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	20	0.75
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	1	0.75
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	1	0.75
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	1	0.75
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.75
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	23	0.75
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	23	0.75
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	23	0.75
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	15	0.75
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	23	0.75
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	12	0.75
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	29	0.74
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	8	0.74
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	10	0.74
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	27	0.74
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,800)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(2,800)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,724)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(2,724)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,637)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(2,637)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,395)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(2,395)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,236)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(2,236)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,157)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(2,157)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	6	0.74
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	19	0.74
(1,15477)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,15410)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(1,15410)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.74
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	19	0.74
(1,14133)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.74
(1,12791)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.74
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.74
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.74
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.74
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.74
(1,11457)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	25	0.74
(1,10107)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,10036)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(1,10036)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	8	0.74
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.74
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.74
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.74
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	25	0.74
(1,8759)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,8689)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(1,8689)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.74
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.74
(1,7404)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	2	0.74
(1,6055)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,5984)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(1,5984)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	7	0.74
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	15	0.74
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	18	0.74
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	23	0.74
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	23	0.74
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	23	0.74
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	4	0.74
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	8	0.74
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.74
(1,4717)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	9	0.74
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.74
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	27	0.74
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	27	0.74
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	27	0.74
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	21	0.74
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	18	0.74
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	8	0.74
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	8	0.74
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	8	0.74
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.74
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.74
(1,2240)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.74
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.74
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.74
(1,2240)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.74
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.74
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.74
(1,2240)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.74
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	5	0.74
(1,2029)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,1960)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(1,1960)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	2	0.74
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	5	0.74
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	18	0.74
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.74
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.74
(1,903)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.74
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.74
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.74
(1,903)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.74
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.74
(1,903)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.74
(1,693)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	17	0.74
(1,625)	1:12:A:GLN:HE21	1:102:A:PHE:HE1	8	0.74
(1,625)	1:12:A:GLN:HE21	1:102:A:PHE:HE2	8	0.74
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	9	0.74
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	19	0.73
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	5	0.73
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	5	0.73
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	17	0.73
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.73
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	0.73
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	17	0.73
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	5	0.73
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	9	0.73
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	10	0.73
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	16	0.73
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	17	0.73
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	19	0.73
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	27	0.73
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.73
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.73
(1,13159)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.73
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.73
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.73
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	5	0.73
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	9	0.73
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	10	0.73
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	16	0.73
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	17	0.73
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	19	0.73
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	27	0.73
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.73
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.73
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.73
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.73
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	0.73
(1,10576)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.73
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.73
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.73
(1,10477)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.73
(1,10322)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.73
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	5	0.73
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	9	0.73
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	10	0.73
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	16	0.73
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	17	0.73
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	19	0.73
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	27	0.73
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	0.73
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.73
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	5	0.73
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	9	0.73
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	10	0.73
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	16	0.73
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	17	0.73
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	19	0.73
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	27	0.73
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.73
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.73
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.73
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.73
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	20	0.73
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.73
(1,7618)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.73
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.73
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.73
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	1	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	2	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	4	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	5	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	10	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	16	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	19	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	20	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	21	0.73
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	24	0.73
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	15	0.73
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	15	0.73
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	15	0.73
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	7	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.73
(1,4928)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.73
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	5	0.73
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	9	0.73
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	10	0.73
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	16	0.73
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	17	0.73
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	19	0.73
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	27	0.73
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.73
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.73
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.73
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	20	0.73
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.73
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.73
(1,3741)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.73
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.73
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	6	0.73
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	28	0.73
(1,2497)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.73
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.73
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.73
(1,2396)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.73
(1,2242)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.73
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	5	0.73
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	9	0.73
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	10	0.73
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	16	0.73
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	17	0.73
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	19	0.73
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	27	0.73
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	18	0.73
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	18	0.73
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	18	0.73
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	9	0.73
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	9	0.73
(1,1058)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	9	0.73
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.73
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	15	0.72
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	17	0.72
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	18	0.72
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	22	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	28	0.72
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	11	0.72
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	5	0.72
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	5	0.72
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	5	0.72
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	15	0.72
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	15	0.72
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	15	0.72
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,678)	1:48:A:ASP:HB2	1:47:A:VAL:HB	17	0.72
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,515)	1:48:A:ASP:HB2	1:47:A:VAL:HB	17	0.72
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	13	0.72
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	27	0.72
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.72
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	28	0.72
(1,15969)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.72
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.72
(1,14637)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	11	0.72
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	1	0.72
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	18	0.72
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	18	0.72
(1,13299)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	0.72
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.72
(1,11956)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	0.72
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	1	0.72
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	18	0.72
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.72
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.72
(1,10778)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.72
(1,10621)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	0.72
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	1	0.72
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	18	0.72
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	18	0.72
(1,9281)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	1	0.72
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	18	0.72
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	18	0.72
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.72
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.72
(1,8082)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.72
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.72
(1,7922)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,6573)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	22	0.72
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	0.72
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,6184)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.72
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD3	19	0.72
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	8	0.72
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	17	0.72
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	26	0.72
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	27	0.72
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	29	0.72
(1,5230)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	10	0.72
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	1	0.72
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	18	0.72
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.72
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.72
(1,4051)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.72
(1,3890)	1:52:A:LYS:HG2	1:53:A:VAL:HB	29	0.72
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	10	0.72
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	27	0.72
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.72
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	10	0.72
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	1	0.72
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	18	0.72
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	22	0.72
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	22	0.72
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	22	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	22	0.72
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	24	0.71
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	17	0.71
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	7	0.71
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	8	0.71
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	12	0.71
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	24	0.71
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	15	0.71
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	29	0.71
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	29	0.71
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	18	0.71
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	1	0.71
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	0.71
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	25	0.71
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	18	0.71
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	3	0.71
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	4	0.71
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	13	0.71
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	1	0.71
(1,12968)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	0.71
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.71
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.71
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.71
(1,11632)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	9	0.71
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	8	0.71
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.71
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.71
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.71
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	8	0.71
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.71
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.71
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	23	0.71
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	25	0.71
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	28	0.71
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	6	0.71
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	28	0.71
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	20	0.71
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	20	0.71
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	20	0.71
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	6	0.71
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	7	0.71
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	7	0.71
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	9	0.71
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	6	0.71
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	16	0.71
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	19	0.7
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	23	0.7
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	25	0.7
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	25	0.7
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,782)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	11	0.7
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	11	0.7
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	11	0.7
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,703)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,619)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,538)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,459)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,372)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,298)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,215)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,139)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(2,67)	1:88:A:ARG:HA	1:99:A:CYS:HB2	17	0.7
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	1	0.7
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	4	0.7
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	26	0.7
(1,16015)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.7
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB2	6	0.7
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	3	0.7
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	26	0.7
(1,14684)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	16	0.7
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	24	0.7
(1,14295)	1:9:A:MET:HA	1:9:A:MET:HG2	25	0.7
(1,13346)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,12005)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,11616)	1:9:A:MET:HA	1:9:A:MET:HG2	25	0.7
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.7
(1,10667)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,10268)	1:9:A:MET:HA	1:9:A:MET:HG2	25	0.7
(1,9324)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,8925)	1:9:A:MET:HA	1:9:A:MET:HG2	25	0.7
(1,7972)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.7
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	19	0.7
(1,6619)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	3	0.7
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	6	0.7
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD3	10	0.7
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	22	0.7
(1,5281)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	5	0.7
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	5	0.7
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	5	0.7
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,4878)	1:9:A:MET:HA	1:9:A:MET:HG2	25	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	15	0.7
(1,3938)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	5	0.7
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	5	0.7
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	5	0.7
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	20	0.7
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	20	0.7
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	20	0.7
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,2591)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	5	0.7
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	5	0.7
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	5	0.7
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,2192)	1:9:A:MET:HA	1:9:A:MET:HG2	25	0.7
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	14	0.7
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	1	0.7
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	1	0.7
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	1	0.7
(1,1251)	1:80:A:GLN:HG2	1:106:A:VAL:HB	4	0.7
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	5	0.7
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	5	0.7
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	5	0.7
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	3	0.7
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	6	0.7
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	23	0.7
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	20	0.7
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	7	0.7
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	9	0.7
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	14	0.7
(1,171)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.7
(1,171)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.7
(1,171)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.7
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	22	0.69
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	13	0.69
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	14	0.69
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.69
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	29	0.69
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.69
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	2	0.69
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	5	0.69
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	20	0.69
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	23	0.69
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	26	0.69
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.69
(1,11949)	1:8:A:VAL:HG22	1:37:A:PRO:HG2	23	0.69
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	5	0.69
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	5	0.69
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	5	0.69
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	26	0.69
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.69
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	26	0.69
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	5	0.69
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	7	0.69
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.69
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.69
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.69
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.69
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.69
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.69
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.69
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.69
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.69
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	6	0.69
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	9	0.69
(1,5345)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	14	0.69
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	14	0.69
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	14	0.69
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	14	0.69
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	15	0.69
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	18	0.69
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	26	0.69
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	26	0.69
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	26	0.69
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	26	0.69
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	14	0.69
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	14	0.69
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	14	0.69
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	26	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	26	0.69
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	26	0.69
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	26	0.69
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	5	0.69
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	5	0.69
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	5	0.69
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	14	0.69
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	14	0.69
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	14	0.69
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.69
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	26	0.69
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.69
(1,2223)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.69
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	11	0.69
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	18	0.69
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	18	0.69
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	18	0.69
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	14	0.69
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	14	0.69
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	14	0.69
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	5	0.69
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	7	0.69
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	26	0.69
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	10	0.69
(1,886)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.69
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	6	0.69
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	6	0.69
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	6	0.69
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	26	0.69
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	26	0.69
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	13	0.69
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	29	0.69
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	18	0.68
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	25	0.68
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	4	0.68
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	3	0.68
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	10	0.68
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	11	0.68
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	16	0.68
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	26	0.68
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	29	0.68
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	14	0.68
(2,861)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,788)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	21	0.68
(2,713)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,628)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	21	0.68
(2,547)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	21	0.68
(2,469)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,385)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	21	0.68
(2,308)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	21	0.68
(2,226)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	21	0.68
(2,147)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	21	0.68
(2,76)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	21	0.68
(2,2)	1:101:A:ASN:HD22	1:12:A:GLN:HE21	2	0.68
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.68
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	7	0.68
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.68
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.68
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	21	0.68
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.68
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	19	0.68
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	21	0.68
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	21	0.68
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.68
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.68
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	29	0.68
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	29	0.68
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	29	0.68
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.68
(1,6521)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.68
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.68
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	9	0.68
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	9	0.68
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	21	0.68
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	21	0.68
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	21	0.68
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	26	0.68
(1,5178)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.68
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.68
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	9	0.68
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	9	0.68
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	9	0.68
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	21	0.68
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	21	0.68
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	21	0.68
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.68
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.68
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.68
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	9	0.68
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	9	0.68
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	9	0.68
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	21	0.68
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	21	0.68
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	21	0.68
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.68
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.68
(1,2223)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.68
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	1	0.68
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	13	0.68
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	9	0.68
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	9	0.68
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	21	0.68
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	21	0.68
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	21	0.68
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	27	0.68
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	3	0.68
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	22	0.68
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	24	0.68
(1,1157)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.68
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	29	0.68
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.68
(1,886)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.68
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	22	0.68
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	22	0.68
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	22	0.68
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	18	0.68
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	9	0.68
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	12	0.67
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	21	0.67
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	4	0.67
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	21	0.67
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	25	0.67
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	29	0.67
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	6	0.67
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	6	0.67
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	6	0.67
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	27	0.67
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	27	0.67
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	27	0.67
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.67
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.67
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.67
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.67
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.67
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.67
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.67
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.67
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.67
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.67
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.67
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.67
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	17	0.67
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	4	0.67
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	4	0.67
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.67
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.67
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.67
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.67
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.67
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.67
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.67
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	21	0.67
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.67
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.67
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.67
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.67
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	10	0.67
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.67
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.67
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.67
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,2223)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.67
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.67
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG3	15	0.67
(1,886)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.67
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	22	0.67
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	24	0.67
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.67
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.67
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	14	0.67
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	2	0.66
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	26	0.66
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	5	0.66
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	6	0.66
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	9	0.66
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	14	0.66
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	23	0.66
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	21	0.66
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	15	0.66
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	15	0.66
(2,682)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(2,586)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(2,503)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(2,425)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(2,344)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(2,266)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(2,184)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(2,111)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(2,37)	1:1:A:ASP:HA	1:97:A:PHE:HB2	24	0.66
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	11	0.66
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	19	0.66
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	11	0.66
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.66
(1,11999)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.66
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	20	0.66
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.66
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.66
(1,9319)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.66
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	20	0.66
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,8977)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.66
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.66
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	2	0.66
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,6267)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.66
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	15	0.66
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.66
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	15	0.66
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	22	0.66
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	22	0.66
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	22	0.66
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,3587)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.66
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.66
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG21	17	0.66
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG22	17	0.66
(1,2585)	1:73:A:GLU:HB2	1:23:A:THR:HG23	17	0.66
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	15	0.66
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	11	0.66
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	17	0.66
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.66
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.66
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG3	20	0.66
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	9	0.66
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	8	0.66
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	25	0.66
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	4	0.66
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	4	0.66
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	4	0.66
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	27	0.66
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	24	0.65
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	20	0.65
(2,907)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,827)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	18	0.65
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	18	0.65
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	18	0.65
(2,753)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,668)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,588)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,505)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,427)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,346)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,268)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,186)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,114)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(2,40)	1:21:A:SER:HB2	1:23:A:THR:HB	9	0.65
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	5	0.65
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	2	0.65
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.65
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	5	0.65
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	1	0.65
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	2	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	27	0.65
(1,13617)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.65
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	27	0.65
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	27	0.65
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.65
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.65
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.65
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	18	0.65
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	20	0.65
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	20	0.65
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	20	0.65
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	6	0.65
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	6	0.65
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	28	0.65
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	28	0.65
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	28	0.65
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	25	0.65
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,4939)	1:33:A:LEU:HD11	1:33:A:LEU:HA	7	0.65
(1,4939)	1:33:A:LEU:HD12	1:33:A:LEU:HA	7	0.65
(1,4939)	1:33:A:LEU:HD13	1:33:A:LEU:HA	7	0.65
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	18	0.65
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	6	0.65
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	6	0.65
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	6	0.65
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	28	0.65
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	28	0.65
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	28	0.65
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.65
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	6	0.65
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	6	0.65
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	6	0.65
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	28	0.65
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	28	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	28	0.65
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	20	0.65
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,2223)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.65
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	6	0.65
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	6	0.65
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	6	0.65
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	28	0.65
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	28	0.65
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	28	0.65
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	15	0.65
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	26	0.65
(1,886)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	13	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	13	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	13	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	21	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	21	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	21	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	29	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	29	0.65
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	29	0.65
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	23	0.65
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	14	0.64
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	23	0.64
(3,404)	1:61:A:ASP:H	1:60:A:HIS:H	2	0.64
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	10	0.64
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	9	0.64
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	16	0.64
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.64
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	5	0.64
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.64
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	29	0.64
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	8	0.64
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	9	0.64
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	16	0.64
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.64
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	8	0.64
(1,10576)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.64
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.64
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	17	0.64
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.64
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	25	0.64
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.64
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.64
(1,6265)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.64
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.64
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.64
(1,6265)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.64
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.64
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.64
(1,6265)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.64
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.64
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.64
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	8	0.64
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	8	0.64
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	8	0.64
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.64
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.64
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	8	0.64
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	4	0.64
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	8	0.64
(1,2497)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.64
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.64
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.64
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.64
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	8	0.64
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	25	0.64
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	21	0.64
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	28	0.64
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	28	0.64
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	28	0.64
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.64
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	2	0.64
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	6	0.63
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	9	0.63
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	16	0.63
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	21	0.63
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	16	0.63
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	21	0.63
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	12	0.63
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,680)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	12	0.63
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	12	0.63
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	12	0.63
(2,517)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	12	0.63
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	12	0.63
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	12	0.63
(2,438)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	12	0.63
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD21	12	0.63
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD22	12	0.63
(2,279)	1:45:A:LYS:HG2	1:104:A:LEU:HD23	12	0.63
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	3	0.63
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	3	0.63
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	3	0.63
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG2	24	0.63
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.63
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.63
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.63
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.63
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG2	24	0.63
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	10	0.63
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	24	0.63
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.63
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.63
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.63
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.63
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.63
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.63
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.63
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	11	0.63
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	11	0.63
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	11	0.63
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.63
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.63
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.63
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.63
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	20	0.63
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.63
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.63
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.63
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.63
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.63
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.63
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.63
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.63
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	0.63
(1,6521)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.63
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	4	0.63
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	8	0.63
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	2	0.63
(1,5178)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.63
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.63
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.63
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.63
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.63
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.63
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.63
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.63
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.63
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	11	0.63
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	11	0.63
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	11	0.63
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	4	0.63
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	8	0.63
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG3	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	7	0.63
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.63
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.63
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.63
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.63
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	4	0.63
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	8	0.63
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	29	0.63
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	6	0.63
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	28	0.63
(1,1157)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.63
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	27	0.63
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	12	0.63
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	25	0.63
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	25	0.63
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	25	0.63
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	5	0.63
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	9	0.63
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	10	0.63
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	16	0.63
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	17	0.63
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	19	0.63
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	27	0.63
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	17	0.63
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.63
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.63
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.63
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	24	0.63
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	14	0.63
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	24	0.62
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	28	0.62
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	28	0.62
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	16	0.62
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	16	0.62
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	16	0.62
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	16	0.62
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	16	0.62
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	16	0.62
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	16	0.62
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	27	0.62
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,14476)	1:27:A:ARG:HG3	1:72:A:PHE:HB2	17	0.62
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.62
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,12919)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.62
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.62
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.62
(1,12116)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.62
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,11584)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.62
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.62
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	10	0.62
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.62
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.62
(1,9436)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.62
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.62
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	10	0.62
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	5	0.62
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	5	0.62
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	5	0.62
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.62
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	4	0.62
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.62
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.62
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	5	0.62
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	5	0.62
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	5	0.62
(1,4844)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.62
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.62
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,3499)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.62
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.62
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.62
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	5	0.62
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	5	0.62
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	5	0.62
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	18	0.62
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,1402)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.62
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	24	0.62
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	29	0.62
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	5	0.62
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	5	0.62
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	5	0.62
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	1	0.62
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	18	0.62
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	17	0.62
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	10	0.62
(1,189)	1:52:A:LYS:H	1:52:A:LYS:HG2	19	0.62
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	27	0.61
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	11	0.61
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	29	0.61
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	4	0.61
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	17	0.61
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	6	0.61
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	6	0.61
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	6	0.61
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	6	0.61
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	6	0.61
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	6	0.61
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	6	0.61
(1,15969)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD11	22	0.61
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	9	0.61
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.61
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.61
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,14637)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD11	22	0.61
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,13299)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.61
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.61
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,11956)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG2	13	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	15	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	15	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	15	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	24	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	24	0.61
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	24	0.61
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,10621)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.61
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.61
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,9281)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	28	0.61
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.61
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.61
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.61
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,7922)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.61
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,6573)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	8	0.61
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.61
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	24	0.61
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	24	0.61
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	24	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	26	0.61
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,5230)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	1	0.61
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.61
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	24	0.61
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	24	0.61
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	24	0.61
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,3890)	1:52:A:LYS:HG2	1:53:A:VAL:HB	10	0.61
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	1	0.61
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	7	0.61
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	7	0.61
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	7	0.61
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.61
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	15	0.61
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	15	0.61
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	15	0.61
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	24	0.61
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	24	0.61
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	24	0.61
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	24	0.61
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	24	0.61
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	24	0.61
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	26	0.61
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.61
(1,1269)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	0.61
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	24	0.61
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	24	0.61
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	24	0.61
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	26	0.61
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	12	0.61
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG3	17	0.61
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	8	0.61
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	26	0.61
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	26	0.61
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	26	0.61
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	26	0.61
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	26	0.61
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	26	0.61
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	4	0.61
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.61
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	1	0.6
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	29	0.6
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	10	0.6
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.6
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.6
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.6
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.6
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.6
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.6
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	25	0.6
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	25	0.6
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	25	0.6
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,10576)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.6
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.6
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.6
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.6
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.6
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.6
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.6
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.6
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	8	0.6
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	8	0.6
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	8	0.6
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	27	0.6
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	27	0.6
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	27	0.6
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.6
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.6
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,4189)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.6
(1,4189)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.6
(1,4189)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.6
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	27	0.6
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	27	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	27	0.6
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	12	0.6
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.6
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.6
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,2840)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.6
(1,2840)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.6
(1,2840)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.6
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	25	0.6
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	25	0.6
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	25	0.6
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	27	0.6
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	27	0.6
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	27	0.6
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG3	13	0.6
(1,2497)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.6
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.6
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.6
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	15	0.6
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(1,1501)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.6
(1,1501)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.6
(1,1501)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.6
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	27	0.6
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	27	0.6
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	27	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	16	0.6
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	4	0.6
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	9	0.6
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	25	0.6
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	24	0.6
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	24	0.6
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	24	0.6
(1,854)	1:9:A:MET:HA	1:9:A:MET:HG2	25	0.6
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.6
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	15	0.6
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	3	0.6
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	18	0.6
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	20	0.59
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	1	0.59
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	15	0.59
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	19	0.59
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	20	0.59
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	22	0.59
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	13	0.59
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	13	0.59
(1,15903)	1:22:A:ILE:HG22	1:74:A:LEU:HD13	1	0.59
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,15389)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,15389)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,15389)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	23	0.59
(1,14570)	1:22:A:ILE:HG22	1:74:A:LEU:HD13	1	0.59
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,14039)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,14039)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,14039)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,13617)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.59
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.59
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	25	0.59
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	25	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	25	0.59
(1,12987)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.59
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,12701)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,12701)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,12701)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,11367)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,11367)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,11367)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.59
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	23	0.59
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.59
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,10015)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,10015)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,10015)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.59
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.59
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,8668)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,8668)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,8668)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	2	0.59
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.59
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.59
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.59
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.59
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.59
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.59
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.59
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.59
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,7317)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,7317)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,7317)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.59
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	26	0.59
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	26	0.59
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	26	0.59
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.59
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,5963)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,5963)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,5963)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.59
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	23	0.59
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	3	0.59
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	3	0.59
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	3	0.59
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	14	0.59
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.59
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.59
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.59
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.59
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.59
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.59
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.59
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.59
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.59
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	28	0.59
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,4629)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,4629)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,4629)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.59
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	23	0.59
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	2	0.59
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	6	0.59
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	6	0.59
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	6	0.59
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	9	0.59
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	9	0.59
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	9	0.59
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	3	0.59
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	3	0.59
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	3	0.59
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	14	0.59
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.59
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.59
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.59
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.59
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.59
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.59
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.59
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.59
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.59
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.59
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,3284)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,3284)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3284)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.59
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	3	0.59
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	3	0.59
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	3	0.59
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	14	0.59
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,1938)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,1938)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,1938)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	12	0.59
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	23	0.59
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	3	0.59
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	3	0.59
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	3	0.59
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	2	0.59
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.59
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	5	0.59
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	5	0.59
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	5	0.59
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	25	0.59
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	28	0.59
(1,603)	1:52:A:LYS:H	1:57:A:LEU:HD11	13	0.59
(1,603)	1:52:A:LYS:H	1:57:A:LEU:HD12	13	0.59
(1,603)	1:52:A:LYS:H	1:57:A:LEU:HD13	13	0.59
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	27	0.59
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	10	0.58
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	8	0.58
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	18	0.58
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	14	0.58
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	5	0.58
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	13	0.58
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	7	0.58
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	7	0.58
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	27	0.58
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	27	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	27	0.58
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	27	0.58
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	27	0.58
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	27	0.58
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.58
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	1	0.58
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	24	0.58
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	24	0.58
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	24	0.58
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	4	0.58
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	23	0.58
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.58
(1,12987)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.58
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.58
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	29	0.58
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.58
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.58
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	23	0.58
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.58
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	23	0.58
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.58
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.58
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.58
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.58
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	21	0.58
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.58
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.58
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	24	0.58
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	9	0.58
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.58
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.58
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.58
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	9	0.58
(1,3840)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.58
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.58
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.58
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.58
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	9	0.58
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	26	0.58
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	21	0.58
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.58
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	11	0.58
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	21	0.58
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	21	0.58
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	20	0.58
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	20	0.58
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	20	0.58
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.58
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.58
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	1	0.58
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	26	0.58
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	19	0.58
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	12	0.58
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	1	0.57
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	24	0.57
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	28	0.57
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	27	0.57
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	4	0.57
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	12	0.57
(2,907)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	4	0.57
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	12	0.57
(2,827)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,753)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,668)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,588)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,505)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,427)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,346)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,268)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,186)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,114)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(2,40)	1:21:A:SER:HB2	1:23:A:THR:HB	20	0.57
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.57
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD13	14	0.57
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.57
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.57
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD13	14	0.57
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.57
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.57
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.57
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,12987)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.57
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.57
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.57
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.57
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.57
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.57
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.57
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.57
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.57
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.57
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	21	0.57
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.57
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.57
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.57
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,8563)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.57
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.57
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.57
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.57
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	4	0.57
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.57
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.57
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.57
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	13	0.57
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	13	0.57
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	13	0.57
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	25	0.57
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.57
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.57
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	13	0.57
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	13	0.57
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	13	0.57
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.57
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.57
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	13	0.57
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	13	0.57
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	13	0.57
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	25	0.57
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	1	0.57
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	25	0.57
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	13	0.57
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	13	0.57
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	13	0.57
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	25	0.57
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	4	0.57
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	14	0.57
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	2	0.57
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD2	15	0.57
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	15	0.56
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	19	0.56
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	27	0.56
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	6	0.56
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	9	0.56
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	6	0.56
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	17	0.56
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	22	0.56
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	2	0.56
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	3	0.56
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	2	0.56
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	3	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	8	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	8	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	8	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	10	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	10	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	10	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	24	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	24	0.56
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	24	0.56
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	28	0.56
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	28	0.56
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	28	0.56
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	28	0.56
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	28	0.56
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	28	0.56
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	28	0.56
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	28	0.56
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	12	0.56
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	27	0.56
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	17	0.56
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,13617)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.56
(1,13617)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.56
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	3	0.56
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	6	0.56
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	15	0.56
(1,10322)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.56
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	17	0.56
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	15	0.56
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	3	0.56
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	17	0.56
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	26	0.56
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	3	0.56
(1,7618)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.56
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.56
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	20	0.56
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,5249)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.56
(1,5249)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.56
(1,5249)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.56
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	21	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	18	0.56
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	3	0.56
(1,4928)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.56
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	18	0.56
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	3	0.56
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	18	0.56
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	3	0.56
(1,2242)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.56
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	19	0.56
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	19	0.56
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	19	0.56
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	22	0.56
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	20	0.56
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	11	0.56
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	17	0.56
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	3	0.56
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	7	0.56
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	12	0.56
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	13	0.56
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	21	0.56
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	23	0.56
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	11	0.55
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	17	0.55
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	27	0.55
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	24	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	25	0.55
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	22	0.55
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	22	0.55
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	1	0.55
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	1	0.55
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	1	0.55
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	29	0.55
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	29	0.55
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	29	0.55
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	29	0.55
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	29	0.55
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	29	0.55
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.55
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.55
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.55
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	1	0.55
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	1	0.55
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	1	0.55
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	0.55
(1,12987)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.55
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.55
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	0.55
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	26	0.55
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.55
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.55
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	10	0.55
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	10	0.55
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	10	0.55
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	0.55
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.55
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.55
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	0.55
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	0.55
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.55
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,5268)	1:50:A:SER:HB2	1:52:A:LYS:HD2	7	0.55
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	11	0.55
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	10	0.55
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	10	0.55
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	10	0.55
(1,2578)	1:50:A:SER:HB2	1:52:A:LYS:HD2	7	0.55
(1,2524)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	25	0.55
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	27	0.55
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	27	0.55
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	27	0.55
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	27	0.55
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,1522)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.55
(1,1402)	1:2:A:ASP:H	1:2:A:ASP:HB2	7	0.55
(1,1238)	1:50:A:SER:HB2	1:52:A:LYS:HD2	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	20	0.55
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	17	0.55
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	17	0.55
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	17	0.55
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	18	0.55
(1,189)	1:52:A:LYS:H	1:52:A:LYS:HG2	29	0.55
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	15	0.54
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	17	0.54
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	18	0.54
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	22	0.54
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	28	0.54
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	20	0.54
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	12	0.54
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	1	0.54
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	6	0.54
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	18	0.54
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	23	0.54
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	21	0.54
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	21	0.54
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	21	0.54
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	29	0.54
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,14476)	1:27:A:ARG:HG2	1:72:A:PHE:HB2	12	0.54
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.54
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.54
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.54
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.54
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	25	0.54
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,10380)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.54
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.54
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.54
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.54
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.54
(1,7616)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.54
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.54
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.54
(1,7616)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.54
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.54
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.54
(1,7616)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.54
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.54
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,6521)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.54
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,6325)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.54
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.54
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	19	0.54
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	19	0.54
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	19	0.54
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	23	0.54
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	23	0.54
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	23	0.54
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	21	0.54
(1,5178)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.54
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,4986)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.54
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.54
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.54
(1,4926)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.54
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.54
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.54
(1,4926)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.54
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.54
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.54
(1,4926)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.54
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.54
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	8	0.54
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	8	0.54
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	8	0.54
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	23	0.54
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	23	0.54
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	23	0.54
(1,3646)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.54
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.54
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3585)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.54
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.54
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.54
(1,3585)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.54
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.54
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.54
(1,3585)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.54
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,3462)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.54
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	23	0.54
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	23	0.54
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	23	0.54
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	21	0.54
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.54
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	7	0.54
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	23	0.54
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	23	0.54
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	23	0.54
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	21	0.54
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	4	0.54
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	8	0.54
(1,1157)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.54
(1,966)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.54
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	2	0.54
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	2	0.54
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	2	0.54
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	14	0.54
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	4	0.54
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	25	0.54
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	24	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	12	0.53
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	7	0.53
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	8	0.53
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	12	0.53
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	24	0.53
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	23	0.53
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	23	0.53
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	2	0.53
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	2	0.53
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	2	0.53
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	7	0.53
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	7	0.53
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	7	0.53
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	3	0.53
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	3	0.53
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	3	0.53
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	3	0.53
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	3	0.53
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	3	0.53
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	3	0.53
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	3	0.53
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	29	0.53
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	29	0.53
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	29	0.53
(1,15969)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53
(1,15903)	1:22:A:ILE:HG22	1:74:A:LEU:HD13	10	0.53
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	20	0.53
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,14637)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53
(1,14570)	1:22:A:ILE:HG22	1:74:A:LEU:HD13	10	0.53
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	25	0.53
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	22	0.53
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,13299)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	13	0.53
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	27	0.53
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,11956)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.53
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	20	0.53
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,10621)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	22	0.53
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.53
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.53
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.53
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.53
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,9281)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	13	0.53
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	27	0.53
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	17	0.53
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	17	0.53
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	17	0.53
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	22	0.53
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.53
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.53
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD11	24	0.53
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD12	24	0.53
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD13	24	0.53
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,7922)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	13	0.53
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	27	0.53
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.53
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.53
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.53
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,6573)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	4	0.53
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	4	0.53
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	4	0.53
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,5230)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	13	0.53
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	27	0.53
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	17	0.53
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	17	0.53
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	17	0.53
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	4	0.53
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	4	0.53
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	4	0.53
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,3890)	1:52:A:LYS:HG2	1:53:A:VAL:HB	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3840)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.53
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	13	0.53
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	27	0.53
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	20	0.53
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	4	0.53
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	4	0.53
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	4	0.53
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	13	0.53
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	27	0.53
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	17	0.53
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	17	0.53
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	17	0.53
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	20	0.53
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	4	0.53
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	4	0.53
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	4	0.53
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG3	12	0.53
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	14	0.53
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	7	0.53
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	13	0.53
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	27	0.53
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	17	0.53
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	17	0.53
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	17	0.53
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	1	0.52
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	11	0.52
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	17	0.52
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	19	0.52
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	7	0.52
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	27	0.52
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	7	0.52
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	7	0.52
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	7	0.52
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	7	0.52
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	7	0.52
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	7	0.52
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG11	16	0.52
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG12	16	0.52
(2,66)	1:45:A:LYS:HA	1:47:A:VAL:HG13	16	0.52
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	13	0.52
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.52
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	18	0.52
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD21	4	0.52
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	16	0.52
(1,15600)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.52
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	18	0.52
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.52
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	8	0.52
(1,15230)	1:50:A:SER:H	1:59:A:LEU:HB3	16	0.52
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	9	0.52
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,13570)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.52
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.52
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.52
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	4	0.52
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.52
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.52
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	28	0.52
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	10	0.52
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.52
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,5430)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.52
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	28	0.52
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.52
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	21	0.52
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	21	0.52
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	21	0.52
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	10	0.52
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	24	0.52
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	24	0.52
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	24	0.52
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	6	0.52
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	18	0.52
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	18	0.52
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	18	0.52
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	6	0.52
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	27	0.52
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	4	0.52
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	12	0.52
(1,75)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.52
(3,809)	1:38:A:VAL:HG11	1:91:A:VAL:HG21	25	0.51
(3,809)	1:38:A:VAL:HG11	1:91:A:VAL:HG22	25	0.51
(3,809)	1:38:A:VAL:HG11	1:91:A:VAL:HG23	25	0.51
(3,809)	1:38:A:VAL:HG12	1:91:A:VAL:HG21	25	0.51
(3,809)	1:38:A:VAL:HG12	1:91:A:VAL:HG22	25	0.51
(3,809)	1:38:A:VAL:HG12	1:91:A:VAL:HG23	25	0.51
(3,809)	1:38:A:VAL:HG13	1:91:A:VAL:HG21	25	0.51
(3,809)	1:38:A:VAL:HG13	1:91:A:VAL:HG22	25	0.51
(3,809)	1:38:A:VAL:HG13	1:91:A:VAL:HG23	25	0.51
(3,757)	1:84:A:THR:HA	1:105:A:THR:HA	14	0.51
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	26	0.51
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	13	0.51
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	4	0.51
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	29	0.51
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	11	0.51
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	11	0.51
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	20	0.51
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	6	0.51
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	6	0.51
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	6	0.51
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	6	0.51
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	6	0.51
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	6	0.51
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	6	0.51
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	6	0.51
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	13	0.51
(1,15683)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	27	0.51
(1,15683)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	27	0.51
(1,15683)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.51
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.51
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,14349)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	27	0.51
(1,14349)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	27	0.51
(1,14349)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.51
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	16	0.51
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.51
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,13005)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	27	0.51
(1,13005)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	27	0.51
(1,13005)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.51
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.51
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.51
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	1	0.51
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	16	0.51
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	16	0.51
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.51
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.51
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	1	0.51
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	1	0.51
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	1	0.51
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	1	0.51
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	16	0.51
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.51
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.51
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.51
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	8	0.51
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	8	0.51
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	8	0.51
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	20	0.51
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	20	0.51
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	23	0.51
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	1	0.51
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	1	0.51
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	1	0.51
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.51
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	8	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	8	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	8	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	20	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	20	0.51
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	20	0.51
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	8	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	8	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	8	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	20	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	20	0.51
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	20	0.51
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	23	0.51
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	28	0.51
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	1	0.51
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	1	0.51
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	1	0.51
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.51
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	8	0.51
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	8	0.51
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	20	0.51
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	20	0.51
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	20	0.51
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	23	0.51
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	28	0.51
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	13	0.51
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	15	0.51
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	1	0.51
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	1	0.51
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	1	0.51
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	25	0.51
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	5	0.51
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	29	0.51
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	17	0.51
(3,811)	1:91:A:VAL:HG21	1:38:A:VAL:HG11	25	0.5
(3,811)	1:91:A:VAL:HG21	1:38:A:VAL:HG12	25	0.5
(3,811)	1:91:A:VAL:HG21	1:38:A:VAL:HG13	25	0.5
(3,811)	1:91:A:VAL:HG22	1:38:A:VAL:HG11	25	0.5
(3,811)	1:91:A:VAL:HG22	1:38:A:VAL:HG12	25	0.5
(3,811)	1:91:A:VAL:HG22	1:38:A:VAL:HG13	25	0.5
(3,811)	1:91:A:VAL:HG23	1:38:A:VAL:HG11	25	0.5
(3,811)	1:91:A:VAL:HG23	1:38:A:VAL:HG12	25	0.5
(3,811)	1:91:A:VAL:HG23	1:38:A:VAL:HG13	25	0.5
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	7	0.5
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	3	0.5
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	10	0.5
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	11	0.5
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	16	0.5
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	25	0.5
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	26	0.5
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	26	0.5
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	10	0.5
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	2	0.5
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	17	0.5
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	20	0.5
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	20	0.5
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	20	0.5
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	20	0.5
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	20	0.5
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	20	0.5
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	20	0.5
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.5
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.5
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.5
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	18	0.5
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	2	0.5
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.5
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	1	0.5
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	6	0.5
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.5
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.5
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.5
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	18	0.5
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.5
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.5
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.5
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.5
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.5
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.5
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.5
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.5
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.5
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,9576)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.5
(1,9576)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.5
(1,9576)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.5
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	21	0.5
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	21	0.5
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	21	0.5
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	19	0.5
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.5
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.5
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.5
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,6521)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.5
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	14	0.5
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	15	0.5
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,5527)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.5
(1,5527)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.5
(1,5527)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.5
(1,5178)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.5
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	21	0.5
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	21	0.5
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	21	0.5
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.5
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.5
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.5
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	4	0.5
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.5
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.5
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	21	0.5
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	21	0.5
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	21	0.5
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.5
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.5
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.5
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG3	13	0.5
(1,1157)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.5
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	21	0.5
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	21	0.5
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	21	0.5
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	4	0.5
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	18	0.5
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	24	0.49
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	27	0.49
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	4	0.49
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	9	0.49
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	21	0.49
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	29	0.49
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	22	0.49
(3,476)	1:47:A:VAL:H	1:46:A:TRP:HB3	23	0.49
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	14	0.49
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	22	0.49
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	26	0.49
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	4	0.49
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	7	0.49
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	16	0.49
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	21	0.49
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	26	0.49
(3,248)	1:68:A:LYS:H	1:68:A:LYS:HB2	19	0.49
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	10	0.49
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	18	0.49
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	19	0.49
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	5	0.49
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	26	0.49
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	27	0.49
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	26	0.49
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	27	0.49
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.49
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.49
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD12	15	0.49
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD12	21	0.49
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	23	0.49
(1,15445)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.49
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.49
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.49
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	23	0.49
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.49
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.49
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.49
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.49
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.49
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.49
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.49
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.49
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.49
(1,14095)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	6	0.49
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.49
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.49
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.49
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.49
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.49
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.49
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.49
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.49
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.49
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.49
(1,12758)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.49
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.49
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.49
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.49
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.49
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.49
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.49
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.49
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.49
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.49
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.49
(1,11652)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.49
(1,11423)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	9	0.49
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	14	0.49
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.49
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.49
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.49
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.49
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.49
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.49
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.49
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.49
(1,10303)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.49
(1,10072)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	2	0.49
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	14	0.49
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	6	0.49
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.49
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	1	0.49
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	1	0.49
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	1	0.49
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	1	0.49
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	1	0.49
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	1	0.49
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	1	0.49
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	1	0.49
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	1	0.49
(1,8958)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.49
(1,8723)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.49
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	23	0.49
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	6	0.49
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.49
(1,7599)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.49
(1,7372)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	6	0.49
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	6	0.49
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	6	0.49
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	9	0.49
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	9	0.49
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	9	0.49
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6248)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.49
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	5	0.49
(1,6020)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	9	0.49
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	12	0.49
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	12	0.49
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	12	0.49
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	17	0.49
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	17	0.49
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	17	0.49
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	6	0.49
(1,4909)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.49
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.49
(1,4683)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	9	0.49
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	12	0.49
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	12	0.49
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	12	0.49
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	17	0.49
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	17	0.49
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	17	0.49
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	13	0.49
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	19	0.49
(1,3867)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	29	0.49
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	6	0.49
(1,3568)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.49
(1,3339)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	12	0.49
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	12	0.49
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	12	0.49
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	17	0.49
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	17	0.49
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	17	0.49
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	6	0.49
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	28	0.49
(1,1996)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(1,1522)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.49
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	9	0.49
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	10	0.49
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	12	0.49
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	12	0.49
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	12	0.49
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	17	0.49
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	17	0.49
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	17	0.49
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	6	0.49
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	28	0.49
(1,658)	1:58:A:GLN:HE22	1:77:A:THR:HB	5	0.49
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	11	0.49
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG21	2	0.48
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG22	2	0.48
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG23	2	0.48
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	6	0.48
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	25	0.48
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	8	0.48
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	25	0.48
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	10	0.48
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	24	0.48
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	5	0.48
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	6	0.48
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	14	0.48
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	23	0.48
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	20	0.48
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	22	0.48
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	15	0.48
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	14	0.48
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	12	0.48
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	23	0.48
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	28	0.48
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	9	0.48
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	18	0.48
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	25	0.48
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	27	0.48
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	4	0.48
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	12	0.48
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	17	0.48
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	20	0.48
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	24	0.48
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	23	0.48
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	25	0.48
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	5	0.48
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	12	0.48
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	13	0.48
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	22	0.48
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	24	0.48
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	13	0.48
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	22	0.48
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	24	0.48
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	13	0.48
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	22	0.48
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	13	0.48
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	22	0.48
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	13	0.48
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	22	0.48
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	13	0.48
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	22	0.48
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.48
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.48
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD22	1	0.48
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	27	0.48
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.48
(1,15556)	1:67:A:SER:H	1:64:A:ASP:HB2	9	0.48
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	27	0.48
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.48
(1,13258)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.48
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.48
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.48
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.48
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	29	0.48
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.48
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.48
(1,11652)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.48
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	29	0.48
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	29	0.48
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	29	0.48
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	9	0.48
(1,10303)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.48
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.48
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.48
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.48
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	9	0.48
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.48
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.48
(1,8958)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.48
(1,8837)	1:67:A:SER:H	1:64:A:ASP:HB2	9	0.48
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	29	0.48
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.48
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.48
(1,7599)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.48
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.48
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	10	0.48
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	9	0.48
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	17	0.48
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	17	0.48
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	17	0.48
(1,6248)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.48
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	11	0.48
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	25	0.48
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.48
(1,6133)	1:67:A:SER:H	1:64:A:ASP:HB2	9	0.48
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	9	0.48
(1,4909)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.48
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	20	0.48
(1,3568)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.48
(1,3449)	1:67:A:SER:H	1:64:A:ASP:HB2	9	0.48
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	29	0.48
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	29	0.48
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	29	0.48
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	28	0.48
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	28	0.48
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	28	0.48
(1,2276)	1:57:A:LEU:HD21	1:74:A:LEU:HD11	18	0.48
(1,2276)	1:57:A:LEU:HD21	1:74:A:LEU:HD12	18	0.48
(1,2276)	1:57:A:LEU:HD21	1:74:A:LEU:HD13	18	0.48
(1,2276)	1:57:A:LEU:HD22	1:74:A:LEU:HD11	18	0.48
(1,2276)	1:57:A:LEU:HD22	1:74:A:LEU:HD12	18	0.48
(1,2276)	1:57:A:LEU:HD22	1:74:A:LEU:HD13	18	0.48
(1,2276)	1:57:A:LEU:HD23	1:74:A:LEU:HD11	18	0.48
(1,2276)	1:57:A:LEU:HD23	1:74:A:LEU:HD12	18	0.48
(1,2276)	1:57:A:LEU:HD23	1:74:A:LEU:HD13	18	0.48
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	23	0.48
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	26	0.48
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	16	0.48
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	14	0.48
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	20	0.48
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	13	0.47
(3,633)	1:78:A:ASP:H	1:21:A:SER:HB3	25	0.47
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	18	0.47
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	2	0.47
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	7	0.47
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	8	0.47
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	28	0.47
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	4	0.47
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	6	0.47
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	9	0.47
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	16	0.47
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	19	0.47
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	21	0.47
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	24	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	11	0.47
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	13	0.47
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	14	0.47
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	24	0.47
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	17	0.47
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	23	0.47
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	25	0.47
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	28	0.47
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	1	0.47
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	16	0.47
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	1	0.47
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	2	0.47
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	3	0.47
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	6	0.47
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	23	0.47
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	28	0.47
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	24	0.47
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	25	0.47
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	3	0.47
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	3	0.47
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	25	0.47
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	1	0.47
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	1	0.47
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	18	0.47
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	1	0.47
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	18	0.47
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	4	0.47
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	4	0.47
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	4	0.47
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	26	0.47
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	26	0.47
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	26	0.47
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	24	0.47
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.47
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.47
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	5	0.47
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	10	0.47
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	24	0.47
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.47
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.47
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.47
(1,13570)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.47
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.47
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	2	0.47
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	2	0.47
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	2	0.47
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	4	0.47
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	4	0.47
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	4	0.47
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.47
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,11652)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.47
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.47
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.47
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.47
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.47
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.47
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,10303)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.47
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.47
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,9913)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.47
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.47
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.47
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,8958)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.47
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.47
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.47
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD11	26	0.47
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD12	26	0.47
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD13	26	0.47
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.47
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,7599)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.47
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.47
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	5	0.47
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	13	0.47
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	21	0.47
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.47
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,6419)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.47
(1,6248)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.47
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	1	0.47
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.47
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.47
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,5861)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.47
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	21	0.47
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.47
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	16	0.47
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	16	0.47
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	16	0.47
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	27	0.47
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	28	0.47
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,4909)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.47
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.47
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.47
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.47
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.47
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,4524)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.47
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	5	0.47
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.47
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.47
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	16	0.47
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	16	0.47
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,3740)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.47
(1,3568)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.47
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.47
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.47
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.47
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	12	0.47
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.47
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	16	0.47
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	16	0.47
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	16	0.47
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	27	0.47
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	28	0.47
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	20	0.47
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,2395)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.47
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.47
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.47
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.47
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.47
(1,2047)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.47
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,1837)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.47
(1,1402)	1:2:A:ASP:H	1:2:A:ASP:HB2	29	0.47
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	12	0.47
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	19	0.47
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	14	0.47
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	14	0.47
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	16	0.47
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	16	0.47
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	16	0.47
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	16	0.47
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	27	0.47
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	28	0.47
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	5	0.47
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	5	0.47
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	5	0.47
(1,1057)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.47
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	15	0.47
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	15	0.47
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	15	0.47
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.47
(1,713)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.47
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	22	0.47
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	16	0.47
(1,501)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.47
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	8	0.47
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	5	0.47
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	13	0.46
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	5	0.46
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	9	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	5	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	6	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	11	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	13	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	15	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	17	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	18	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	19	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	21	0.46
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	24	0.46
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	19	0.46
(3,527)	1:60:A:HIS:H	1:61:A:ASP:H	2	0.46
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	1	0.46
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	8	0.46
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	10	0.46
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	18	0.46
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	25	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	27	0.46
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	28	0.46
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	29	0.46
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	18	0.46
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	21	0.46
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	5	0.46
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	1	0.46
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	12	0.46
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	21	0.46
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	2	0.46
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	13	0.46
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	22	0.46
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	29	0.46
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	9	0.46
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	18	0.46
(3,310)	1:63:A:TYR:H	1:63:A:TYR:HB2	8	0.46
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	28	0.46
(3,262)	1:97:A:PHE:H	1:96:A:LYS:HB2	4	0.46
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	14	0.46
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	17	0.46
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	14	0.46
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	27	0.46
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	17	0.46
(3,67)	1:14:A:GLY:H	1:13:A:ASP:HA	29	0.46
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	6	0.46
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,15984)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.46
(1,15984)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.46
(1,15984)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.46
(1,15903)	1:22:A:ILE:HG21	1:74:A:LEU:HD12	20	0.46
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	17	0.46
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.46
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.46
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	25	0.46
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	27	0.46
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,14653)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.46
(1,14653)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.46
(1,14653)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,14570)	1:22:A:ILE:HG21	1:74:A:LEU:HD12	20	0.46
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	12	0.46
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.46
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,13318)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.46
(1,13318)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.46
(1,13318)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.46
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	25	0.46
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.46
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.46
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	18	0.46
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.46
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.46
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,9298)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.46
(1,9298)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.46
(1,9298)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.46
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	18	0.46
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	25	0.46
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.46
(1,8775)	1:49:A:LEU:H	1:59:A:LEU:HB2	2	0.46
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD11	13	0.46
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD12	13	0.46
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD13	13	0.46
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,7941)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.46
(1,7941)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.46
(1,7941)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.46
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	25	0.46
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,6592)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.46
(1,6592)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.46
(1,6592)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.46
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	15	0.46
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	13	0.46
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	24	0.46
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.46
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	18	0.46
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	18	0.46
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	7	0.46
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	25	0.46
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	21	0.46
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	7	0.46
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	7	0.46
(1,3960)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	7	0.46
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	18	0.46
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	18	0.46
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	18	0.46
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	25	0.46
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	18	0.46
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	18	0.46
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	18	0.46
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	25	0.46
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	17	0.46
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,1522)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.46
(1,1522)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:2:A:ASP:H	1:2:A:ASP:HB2	25	0.46
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	2	0.46
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	2	0.46
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	2	0.46
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	20	0.46
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	18	0.46
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	18	0.46
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	18	0.46
(1,1220)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.46
(1,1220)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.46
(1,1220)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.46
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	23	0.46
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	15	0.46
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	25	0.46
(1,905)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	6	0.46
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	19	0.46
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	19	0.46
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	19	0.46
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	8	0.46
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	19	0.46
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	13	0.46
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	8	0.46
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	6	0.46
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	21	0.46
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	14	0.45
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	22	0.45
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	1	0.45
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	22	0.45
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	3	0.45
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	8	0.45
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	2	0.45
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	5	0.45
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	12	0.45
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	15	0.45
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	1	0.45
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	4	0.45
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	6	0.45
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	8	0.45
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	10	0.45
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	11	0.45
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	13	0.45
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	25	0.45
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	21	0.45
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	9	0.45
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	14	0.45
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	20	0.45
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	16	0.45
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	19	0.45
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	27	0.45
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	2	0.45
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	7	0.45
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	8	0.45
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	16	0.45
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	19	0.45
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	20	0.45
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	22	0.45
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	5	0.45
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	7	0.45
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	9	0.45
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	18	0.45
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	20	0.45
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	24	0.45
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	8	0.45
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	7	0.45
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	8	0.45
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	21	0.45
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	14	0.45
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	28	0.45
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	3	0.45
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	29	0.45
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	11	0.45
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	20	0.45
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	20	0.45
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	20	0.45
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	15	0.45
(1,16029)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.45
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD11	13	0.45
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	4	0.45
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.45
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	11	0.45
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	27	0.45
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.45
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.45
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.45
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.45
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.45
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	18	0.45
(1,14698)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.45
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD11	13	0.45
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	4	0.45
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	11	0.45
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.45
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.45
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.45
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,12277)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.45
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG3	3	0.45
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.45
(1,11680)	1:33:A:LEU:HD11	1:33:A:LEU:HA	7	0.45
(1,11680)	1:33:A:LEU:HD12	1:33:A:LEU:HA	7	0.45
(1,11680)	1:33:A:LEU:HD13	1:33:A:LEU:HA	7	0.45
(1,11652)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.45
(1,11566)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.45
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.45
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.45
(1,10939)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.45
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	18	0.45
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	20	0.45
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	20	0.45
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	20	0.45
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	14	0.45
(1,10332)	1:33:A:LEU:HD11	1:33:A:LEU:HA	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10332)	1:33:A:LEU:HD12	1:33:A:LEU:HA	7	0.45
(1,10332)	1:33:A:LEU:HD13	1:33:A:LEU:HA	7	0.45
(1,10303)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.45
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.45
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.45
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.45
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.45
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.45
(1,8988)	1:33:A:LEU:HD11	1:33:A:LEU:HA	7	0.45
(1,8988)	1:33:A:LEU:HD12	1:33:A:LEU:HA	7	0.45
(1,8988)	1:33:A:LEU:HD13	1:33:A:LEU:HA	7	0.45
(1,8958)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.45
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,7628)	1:33:A:LEU:HD11	1:33:A:LEU:HA	7	0.45
(1,7628)	1:33:A:LEU:HD12	1:33:A:LEU:HA	7	0.45
(1,7628)	1:33:A:LEU:HD13	1:33:A:LEU:HA	7	0.45
(1,7599)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.45
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,6278)	1:33:A:LEU:HD11	1:33:A:LEU:HA	7	0.45
(1,6278)	1:33:A:LEU:HD12	1:33:A:LEU:HA	7	0.45
(1,6278)	1:33:A:LEU:HD13	1:33:A:LEU:HA	7	0.45
(1,6248)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.45
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.45
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,5548)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.45
(1,5430)	1:2:A:ASP:H	1:2:A:ASP:HB2	7	0.45
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	7	0.45
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	7	0.45
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	7	0.45
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	29	0.45
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	29	0.45
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	29	0.45
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	16	0.45
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.45
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.45
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.45
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.45
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.45
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.45
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.45
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.45
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.45
(1,4909)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.45
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.45
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.45
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,4210)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.45
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	7	0.45
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	7	0.45
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	7	0.45
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	29	0.45
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	29	0.45
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	29	0.45
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	27	0.45
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	27	0.45
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	27	0.45
(1,3598)	1:33:A:LEU:HD11	1:33:A:LEU:HA	7	0.45
(1,3598)	1:33:A:LEU:HD12	1:33:A:LEU:HA	7	0.45
(1,3598)	1:33:A:LEU:HD13	1:33:A:LEU:HA	7	0.45
(1,3568)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.45
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.45
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,2862)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.45
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	11	0.45
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	18	0.45
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	20	0.45
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	20	0.45
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	20	0.45
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	7	0.45
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	7	0.45
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	7	0.45
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	29	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	29	0.45
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	29	0.45
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	16	0.45
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.45
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.45
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	11	0.45
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	18	0.45
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	8	0.45
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	7	0.45
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	7	0.45
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	7	0.45
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	29	0.45
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	29	0.45
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	29	0.45
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	16	0.45
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	4	0.45
(1,1183)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	25	0.45
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD2	1	0.45
(1,75)	1:2:A:ASP:H	1:2:A:ASP:HB2	7	0.45
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	3	0.44
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	16	0.44
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	4	0.44
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	14	0.44
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	20	0.44
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	23	0.44
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	7	0.44
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	23	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	1	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	5	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	7	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	12	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	17	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	19	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	20	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	22	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	23	0.44
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	29	0.44
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	4	0.44
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	21	0.44
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	20	0.44
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	14	0.44
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	26	0.44
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	3	0.44
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	6	0.44
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	26	0.44
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	15	0.44
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	11	0.44
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	12	0.44
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	20	0.44
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	26	0.44
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	9	0.44
(2,755)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	22	0.44
(2,590)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	22	0.44
(2,507)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	22	0.44
(2,348)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	22	0.44
(2,270)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	22	0.44
(2,188)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	22	0.44
(2,116)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	22	0.44
(2,42)	1:1:A:ASP:HB2	1:97:A:PHE:HB2	22	0.44
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	23	0.44
(1,15742)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.44
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD11	18	0.44
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	22	0.44
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	3	0.44
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	28	0.44
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	6	0.44
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	6	0.44
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	6	0.44
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.44
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	23	0.44
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	29	0.44
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	22	0.44
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.44
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.44
(1,14347)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.44
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.44
(1,14347)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.44
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.44
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.44
(1,14347)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.44
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.44
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.44
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.44
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,13063)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.44
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.44
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.44
(1,13003)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.44
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.44
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.44
(1,13003)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.44
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.44
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.44
(1,13003)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.44
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.44
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.44
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	25	0.44
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,11726)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.44
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.44
(1,11668)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.44
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.44
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.44
(1,11668)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.44
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.44
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.44
(1,11668)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.44
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.44
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.44
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.44
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.44
(1,10320)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.44
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.44
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.44
(1,10320)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.44
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.44
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.44
(1,10320)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.44
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.44
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,9037)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.44
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG21	25	0.44
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG22	25	0.44
(1,8975)	1:18:A:VAL:HG21	1:106:A:VAL:HG23	25	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG21	25	0.44
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG22	25	0.44
(1,8975)	1:18:A:VAL:HG22	1:106:A:VAL:HG23	25	0.44
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG21	25	0.44
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG22	25	0.44
(1,8975)	1:18:A:VAL:HG23	1:106:A:VAL:HG23	25	0.44
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.44
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.44
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.44
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	25	0.44
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,7675)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.44
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	19	0.44
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	8	0.44
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	8	0.44
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	8	0.44
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,6419)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.44
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.44
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.44
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	19	0.44
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	17	0.44
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.44
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.44
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	17	0.44
(1,3840)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.44
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,3740)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.44
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.44
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.44
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	7	0.44
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	15	0.44
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	18	0.44
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	17	0.44
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,2395)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.44
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.44
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.44
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,1878)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.44
(1,1878)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.44
(1,1878)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	7	0.44
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	15	0.44
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	18	0.44
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	4	0.44
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	4	0.44
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	4	0.44
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	13	0.44
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	7	0.44
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	24	0.44
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	21	0.44
(1,1057)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.44
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	29	0.44
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	29	0.44
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	29	0.44
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	18	0.44
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	5	0.44
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	4	0.44
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	24	0.44
(1,543)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.44
(1,543)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.44
(1,543)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.44
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	12	0.43
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	12	0.43
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	12	0.43
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	20	0.43
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	7	0.43
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	3	0.43
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	8	0.43
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	12	0.43
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	19	0.43
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	3	0.43
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	9	0.43
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	29	0.43
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	9	0.43
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	22	0.43
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	12	0.43
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	1	0.43
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	12	0.43
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	20	0.43
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	23	0.43
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	26	0.43
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	22	0.43
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	3	0.43
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	14	0.43
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	16	0.43
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	26	0.43
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	27	0.43
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	28	0.43
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	25	0.43
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	17	0.43
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	1	0.43
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	13	0.43
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	17	0.43
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	28	0.43
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	2	0.43
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	5	0.43
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	13	0.43
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	15	0.43
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	12	0.43
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	19	0.43
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	21	0.43
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	23	0.43
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	24	0.43
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	25	0.43
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	27	0.43
(3,318)	1:78:A:ASP:H	1:78:A:ASP:HB2	27	0.43
(3,318)	1:78:A:ASP:H	1:78:A:ASP:HB2	28	0.43
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	9	0.43
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	3	0.43
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	6	0.43
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	13	0.43
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	18	0.43
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	29	0.43
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	27	0.43
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	4	0.43
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	19	0.43
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	26	0.43
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	3	0.43
(1,15903)	1:22:A:ILE:HG21	1:74:A:LEU:HD11	8	0.43
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD21	9	0.43
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.43
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	11	0.43
(1,14914)	1:75:A:HIS:H	1:74:A:LEU:HD11	18	0.43
(1,14914)	1:75:A:HIS:H	1:74:A:LEU:HD12	18	0.43
(1,14914)	1:75:A:HIS:H	1:74:A:LEU:HD13	18	0.43
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG21	1	0.43
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG22	1	0.43
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG23	1	0.43
(1,14731)	1:49:A:LEU:HD21	1:53:A:VAL:H	29	0.43
(1,14731)	1:49:A:LEU:HD22	1:53:A:VAL:H	29	0.43
(1,14731)	1:49:A:LEU:HD23	1:53:A:VAL:H	29	0.43
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	3	0.43
(1,14570)	1:22:A:ILE:HG21	1:74:A:LEU:HD11	8	0.43
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,14485)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.43
(1,14485)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.43
(1,14485)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.43
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	2	0.43
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	3	0.43
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	26	0.43
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.43
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.43
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.43
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.43
(1,13570)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.43
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,13258)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.43
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,13145)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.43
(1,13145)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.43
(1,13145)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.43
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.43
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,11670)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	27	0.43
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.43
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	18	0.43
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	18	0.43
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	18	0.43
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	18	0.43
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	18	0.43
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	18	0.43
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	18	0.43
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	18	0.43
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	18	0.43
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,10462)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.43
(1,10462)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.43
(1,10462)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.43
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.43
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	26	0.43
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.43
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	18	0.43
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	18	0.43
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	18	0.43
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	18	0.43
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	18	0.43
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	18	0.43
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	18	0.43
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	18	0.43
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,9118)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.43
(1,9118)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.43
(1,9118)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.43
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.43
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	26	0.43
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD21	10	0.43
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD22	10	0.43
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD23	10	0.43
(1,8377)	1:95:A:ASP:H	1:2:A:ASP:HB2	7	0.43
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	18	0.43
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	18	0.43
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	18	0.43
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	18	0.43
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	18	0.43
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	18	0.43
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	18	0.43
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	18	0.43
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	18	0.43
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,7020)	1:95:A:ASP:H	1:2:A:ASP:HB2	7	0.43
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	18	0.43
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	18	0.43
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	18	0.43
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	18	0.43
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	18	0.43
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	18	0.43
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	18	0.43
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	18	0.43
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,6405)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.43
(1,6405)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.43
(1,6405)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.43
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.43
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.43
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.43
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.43
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,5676)	1:95:A:ASP:H	1:2:A:ASP:HB2	7	0.43
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	18	0.43
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	18	0.43
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	18	0.43
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	18	0.43
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	18	0.43
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	18	0.43
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	18	0.43
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	18	0.43
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	18	0.43
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,4339)	1:95:A:ASP:H	1:2:A:ASP:HB2	7	0.43
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	18	0.43
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	18	0.43
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	18	0.43
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	18	0.43
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	18	0.43
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	18	0.43
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	18	0.43
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	18	0.43
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,2991)	1:95:A:ASP:H	1:2:A:ASP:HB2	7	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	1	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	2	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	4	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	5	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	10	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	16	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	19	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	20	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	21	0.43
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	24	0.43
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	18	0.43
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	18	0.43
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	18	0.43
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	18	0.43
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	18	0.43
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	18	0.43
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	18	0.43
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	18	0.43
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	18	0.43
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,2223)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.43
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	22	0.43
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,1650)	1:95:A:ASP:H	1:2:A:ASP:HB2	7	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	1	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	2	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	4	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	5	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	16	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	19	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	20	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	21	0.43
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	24	0.43
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	5	0.43
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	18	0.43
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	18	0.43
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	18	0.43
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	18	0.43
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	18	0.43
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	18	0.43
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	18	0.43
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	18	0.43
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	18	0.43
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	8	0.43
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	8	0.43
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	8	0.43
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	16	0.43
(1,886)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.43
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	4	0.43
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	27	0.43
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	15	0.43
(1,317)	1:95:A:ASP:H	1:2:A:ASP:HB2	7	0.43
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG21	7	0.42
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG22	7	0.42
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG23	7	0.42
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG21	18	0.42
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG22	18	0.42
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG23	18	0.42
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	9	0.42
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	17	0.42
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	19	0.42
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	3	0.42
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	6	0.42
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	14	0.42
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	15	0.42
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	23	0.42
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	3	0.42
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	16	0.42
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	4	0.42
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	2	0.42
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	6	0.42
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	15	0.42
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	20	0.42
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	29	0.42
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	27	0.42
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	16	0.42
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	27	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	3	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	4	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	6	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	10	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	15	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	19	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	22	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	28	0.42
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	29	0.42
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	3	0.42
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	24	0.42
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	8	0.42
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	9	0.42
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	9	0.42
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	9	0.42
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	2	0.42
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	10	0.42
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	11	0.42
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	18	0.42
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	6	0.42
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	11	0.42
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	1	0.42
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	4	0.42
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	29	0.42
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	2	0.42
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	10	0.42
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	15	0.42
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	16	0.42
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	19	0.42
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	24	0.42
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	28	0.42
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	1	0.42
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	2	0.42
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	20	0.42
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	26	0.42
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	22	0.42
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	2	0.42
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	14	0.42
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	21	0.42
(3,120)	1:48:A:ASP:H	1:48:A:ASP:HB3	3	0.42
(3,120)	1:48:A:ASP:H	1:48:A:ASP:HB3	8	0.42
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	11	0.42
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	13	0.42
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	13	0.42
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	26	0.42
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	23	0.42
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	23	0.42
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	23	0.42
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	23	0.42
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	23	0.42
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	23	0.42
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	14	0.42
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.42
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.42
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.42
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.42
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	17	0.42
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.42
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	10	0.42
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	10	0.42
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	15	0.42
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG21	25	0.42
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG22	25	0.42
(1,14801)	1:18:A:VAL:H	1:18:A:VAL:HG23	25	0.42
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.42
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.42
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.42
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.42
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,14554)	1:93:A:THR:HG23	1:37:A:PRO:HB2	8	0.42
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD21	4	0.42
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	16	0.42
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.42
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	17	0.42
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.42
(1,13756)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.42
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.42
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.42
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.42
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.42
(1,11081)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.42
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.42
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.42
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	28	0.42
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,9053)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.42
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,8124)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.42
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.42
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	10	0.42
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,7034)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.42
(1,6770)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.42
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.42
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,5688)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.42
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.42
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,4352)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.42
(1,4092)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.42
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,2743)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.42
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	8	0.42
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	17	0.42
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	26	0.42
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	27	0.42
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	29	0.42
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	11	0.42
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,2232)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.42
(1,2232)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.42
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.42
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(1,1402)	1:2:A:ASP:H	1:2:A:ASP:HB2	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	8	0.42
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	17	0.42
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	26	0.42
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	27	0.42
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	29	0.42
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	15	0.42
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	5	0.42
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	29	0.42
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	18	0.42
(1,820)	1:40:A:LYS:H	1:90:A:GLU:HB2	12	0.42
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	9	0.42
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	17	0.42
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	20	0.42
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	23	0.42
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	12	0.41
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	1	0.41
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	9	0.41
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	17	0.41
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	27	0.41
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	22	0.41
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	20	0.41
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	22	0.41
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	19	0.41
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	7	0.41
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	9	0.41
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	28	0.41
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	29	0.41
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	24	0.41
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	13	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	5	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	7	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	8	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	9	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	13	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	17	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	21	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	25	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	26	0.41
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	27	0.41
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	11	0.41
(3,512)	1:16:A:VAL:H	1:17:A:THR:H	2	0.41
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	24	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	15	0.41
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	22	0.41
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	24	0.41
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	6	0.41
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	15	0.41
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	18	0.41
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	24	0.41
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	14	0.41
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	15	0.41
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	20	0.41
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	25	0.41
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	28	0.41
(3,372)	1:46:A:TRP:HE1	1:45:A:LYS:HB2	29	0.41
(3,318)	1:78:A:ASP:H	1:78:A:ASP:HB2	2	0.41
(3,318)	1:78:A:ASP:H	1:78:A:ASP:HB2	16	0.41
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	14	0.41
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	9	0.41
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	23	0.41
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	27	0.41
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	20	0.41
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	24	0.41
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	12	0.41
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	16	0.41
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	23	0.41
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	28	0.41
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	12	0.41
(3,122)	1:50:A:SER:H	1:50:A:SER:HB3	2	0.41
(3,120)	1:48:A:ASP:H	1:48:A:ASP:HB3	28	0.41
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	13	0.41
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	3	0.41
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	25	0.41
(2,934)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	0.41
(2,373)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	0.41
(2,299)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	0.41
(2,216)	1:33:A:LEU:HB2	1:93:A:THR:HA	28	0.41
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	16	0.41
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.41
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.41
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.41
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	23	0.41
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	13	0.41
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.41
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	16	0.41
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.41
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.41
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.41
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.41
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	16	0.41
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.41
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.41
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.41
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.41
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.41
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.41
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.41
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	16	0.41
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.41
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.41
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.41
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.41
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.41
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.41
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.41
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.41
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.41
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.41
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.41
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	8	0.41
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	1	0.41
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.41
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.41
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	8	0.41
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	29	0.41
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	29	0.41
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	29	0.41
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	29	0.41
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	29	0.41
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	29	0.41
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	29	0.41
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	29	0.41
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	29	0.41
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.41
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.41
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.41
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.41
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.41
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.41
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.41
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.41
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.41
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	23	0.41
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	25	0.41
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	28	0.41
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	24	0.41
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.41
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.41
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.41
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.41
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.41
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.41
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.41
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.41
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.41
(1,2232)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.41
(1,2232)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.41
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	16	0.41
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.41
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	23	0.41
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	25	0.41
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	28	0.41
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	3	0.41
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	13	0.41
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	15	0.41
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	15	0.41
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	15	0.41
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	14	0.41
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	14	0.41
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	14	0.41
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	9	0.41
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	3	0.41
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	26	0.41
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	18	0.4
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	23	0.4
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	8	0.4
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	3	0.4
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	5	0.4
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	6	0.4
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	11	0.4
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	23	0.4
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	27	0.4
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	28	0.4
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	7	0.4
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	10	0.4
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	22	0.4
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	28	0.4
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	16	0.4
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	8	0.4
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	6	0.4
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	12	0.4
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	24	0.4
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	9	0.4
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	4	0.4
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	5	0.4
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	16	0.4
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	22	0.4
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	24	0.4
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	16	0.4
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	6	0.4
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	18	0.4
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	21	0.4
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	25	0.4
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	9	0.4
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	2	0.4
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	14	0.4
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	16	0.4
(3,529)	1:22:A:ILE:H	1:21:A:SER:H	18	0.4
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	7	0.4
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	14	0.4
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	23	0.4
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	2	0.4
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	4	0.4
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	15	0.4
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	22	0.4
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	21	0.4
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	11	0.4
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	7	0.4
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	8	0.4
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	27	0.4
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	10	0.4
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	10	0.4
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	27	0.4
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	8	0.4
(3,372)	1:46:A:TRP:HE1	1:45:A:LYS:HB2	19	0.4
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	10	0.4
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	6	0.4
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	5	0.4
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	6	0.4
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	5	0.4
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	5	0.4
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	7	0.4
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	8	0.4
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	9	0.4
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	10	0.4
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	22	0.4
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	28	0.4
(3,122)	1:50:A:SER:H	1:50:A:SER:HB3	7	0.4
(3,122)	1:50:A:SER:H	1:50:A:SER:HB3	17	0.4
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	5	0.4
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	6	0.4
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	7	0.4
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	10	0.4
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	28	0.4
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	21	0.4
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	20	0.4
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,905)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,825)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,750)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,665)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,584)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,501)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,423)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,342)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,264)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,182)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,109)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	4	0.4
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	4	0.4
(2,35)	1:41:A:TRP:HA	1:90:A:GLU:HB2	26	0.4
(1,16029)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.4
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	12	0.4
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,15840)	1:18:A:VAL:HG21	1:108:A:GLU:HG2	25	0.4
(1,15840)	1:18:A:VAL:HG22	1:108:A:GLU:HG2	25	0.4
(1,15840)	1:18:A:VAL:HG23	1:108:A:GLU:HG2	25	0.4
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	24	0.4
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	28	0.4
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	17	0.4
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	8	0.4
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	8	0.4
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	8	0.4
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	19	0.4
(1,14698)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.4
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,14503)	1:18:A:VAL:HG21	1:108:A:GLU:HG2	25	0.4
(1,14503)	1:18:A:VAL:HG22	1:108:A:GLU:HG2	25	0.4
(1,14503)	1:18:A:VAL:HG23	1:108:A:GLU:HG2	25	0.4
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	24	0.4
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	2	0.4
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.4
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.4
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	28	0.4
(1,14243)	1:27:A:ARG:H	1:9:A:MET:HG2	10	0.4
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.4
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.4
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.4
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.4
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.4
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.4
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.4
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.4
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	9	0.4
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	9	0.4
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	9	0.4
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.4
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.4
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.4
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.4
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.4
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.4
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.4
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.4
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	20	0.4
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	20	0.4
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	20	0.4
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	20	0.4
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	20	0.4
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	20	0.4
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	20	0.4
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	20	0.4
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	20	0.4
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.4
(1,10217)	1:27:A:ARG:H	1:9:A:MET:HG2	10	0.4
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.4
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.4
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.4
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,9513)	1:94:A:LYS:H	1:35:A:LYS:HE2	23	0.4
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.4
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.4
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.4
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,9053)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.4
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.4
(1,8871)	1:27:A:ARG:H	1:9:A:MET:HG2	10	0.4
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.4
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.4
(1,8223)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.4
(1,8223)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.4
(1,8223)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.4
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.4
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.4
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.4
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	14	0.4
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.4
(1,6869)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.4
(1,6869)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.4
(1,6869)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.4
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	10	0.4
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	28	0.4
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.4
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.4
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	16	0.4
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	27	0.4
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.4
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.4
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.4
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	10	0.4
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	28	0.4
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.4
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.4
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.4
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	18	0.4
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	18	0.4
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	18	0.4
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.4
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.4
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,4128)	1:94:A:LYS:H	1:35:A:LYS:HE2	23	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.4
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.4
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.4
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,3840)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.4
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.4
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.4
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	22	0.4
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.4
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.4
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.4
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.4
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.4
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.4
(1,1438)	1:94:A:LYS:H	1:35:A:LYS:HE2	23	0.4
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	22	0.4
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	20	0.4
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	26	0.4
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	11	0.4
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	26	0.4
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	26	0.4
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	1	0.4
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	7	0.4
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	7	0.4
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	7	0.4
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	7	0.4
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	3	0.4
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	16	0.4
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	8	0.4
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	19	0.4
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD2	29	0.4
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	11	0.4
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	16	0.4
(1,189)	1:52:A:LYS:H	1:52:A:LYS:HG2	10	0.4
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	24	0.39
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	3	0.39
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	15	0.39
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	16	0.39
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	20	0.39
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	21	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	2	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	4	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	5	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	8	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	16	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	18	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	21	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	25	0.39
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	26	0.39
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	27	0.39
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	14	0.39
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	17	0.39
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	4	0.39
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	23	0.39
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	29	0.39
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	4	0.39
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	6	0.39
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	16	0.39
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	18	0.39
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	19	0.39
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	21	0.39
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	25	0.39
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	2	0.39
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	12	0.39
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	15	0.39
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	14	0.39
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	18	0.39
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	25	0.39
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	26	0.39
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	27	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	1	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	4	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	5	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	7	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	8	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	10	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	11	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	13	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	15	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	17	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	19	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	22	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	23	0.39
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	29	0.39
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	22	0.39
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	13	0.39
(3,522)	1:78:A:ASP:H	1:77:A:THR:H	17	0.39
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	17	0.39
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	20	0.39
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	1	0.39
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	5	0.39
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	19	0.39
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	24	0.39
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	28	0.39
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	29	0.39
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	13	0.39
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	18	0.39
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	28	0.39
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	23	0.39
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	3	0.39
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	8	0.39
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	16	0.39
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	1	0.39
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	27	0.39
(3,318)	1:78:A:ASP:H	1:78:A:ASP:HB2	5	0.39
(3,318)	1:78:A:ASP:H	1:78:A:ASP:HB2	25	0.39
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	3	0.39
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	1	0.39
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	1	0.39
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	24	0.39
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	16	0.39
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	15	0.39
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	3	0.39
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	4	0.39
(3,122)	1:50:A:SER:H	1:50:A:SER:HB3	22	0.39
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	2	0.39
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	9	0.39
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	11	0.39
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	18	0.39
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	13	0.39
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	25	0.39
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	29	0.39
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	29	0.39
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	29	0.39
(1,16029)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	5	0.39
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	14	0.39
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD11	29	0.39
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD13	9	0.39
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	26	0.39
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	26	0.39
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	26	0.39
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD22	3	0.39
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD21	26	0.39
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.39
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.39
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	2	0.39
(1,14698)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	5	0.39
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	14	0.39
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD11	29	0.39
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD13	9	0.39
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD12	15	0.39
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD12	21	0.39
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.39
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.39
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.39
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,13202)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	28	0.39
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.39
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.39
(1,12277)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.39
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	25	0.39
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	25	0.39
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	25	0.39
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.39
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.39
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.39
(1,10939)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.39
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.39
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	2	0.39
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	26	0.39
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	26	0.39
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	26	0.39
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.39
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.39
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,9177)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	28	0.39
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	8	0.39
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	8	0.39
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.39
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.39
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	9	0.39
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,7818)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	28	0.39
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	11	0.39
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.39
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	29	0.39
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.39
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	23	0.39
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	14	0.39
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	6	0.39
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.39
(1,5548)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.39
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	29	0.39
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.39
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	1	0.39
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	1	0.39
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	1	0.39
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	19	0.39
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	19	0.39
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	19	0.39
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD3	10	0.39
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,5124)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	28	0.39
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	8	0.39
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	8	0.39
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	8	0.39
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	25	0.39
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,4210)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.39
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.39
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	1	0.39
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	1	0.39
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	1	0.39
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	19	0.39
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	19	0.39
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	19	0.39
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,3787)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	28	0.39
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.39
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.39
(1,3065)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.39
(1,2862)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.39
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	6	0.39
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	9	0.39
(1,2656)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	14	0.39
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.39
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	23	0.39
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	2	0.39
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	26	0.39
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	26	0.39
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	26	0.39
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	1	0.39
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	1	0.39
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	1	0.39
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	19	0.39
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	19	0.39
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	19	0.39
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD3	10	0.39
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	6	0.39
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	7	0.39
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	8	0.39
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	27	0.39
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,2442)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	28	0.39
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	8	0.39
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	8	0.39
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	8	0.39
(1,2047)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.39
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.39
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	6	0.39
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	9	0.39
(1,1316)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	14	0.39
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	5	0.39
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	2	0.39
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	24	0.39
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	1	0.39
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	1	0.39
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	1	0.39
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	19	0.39
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	19	0.39
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	19	0.39
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD3	10	0.39
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	6	0.39
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	9	0.39
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	21	0.39
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	14	0.39
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	2	0.39
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	2	0.39
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	2	0.39
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	16	0.39
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	16	0.39
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	16	0.39
(1,1103)	1:68:A:LYS:HE2	1:37:A:PRO:HD2	28	0.39
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	3	0.39
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	8	0.39
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	8	0.39
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD2	9	0.39
(1,713)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.39
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	14	0.39
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	25	0.39
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	20	0.39
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	4	0.38
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	13	0.38
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	19	0.38
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	26	0.38
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	13	0.38
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	16	0.38
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	27	0.38
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	19	0.38
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	28	0.38
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	1	0.38
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	10	0.38
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	24	0.38
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	29	0.38
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	1	0.38
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	11	0.38
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	12	0.38
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	13	0.38
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	19	0.38
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	24	0.38
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	17	0.38
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	22	0.38
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	23	0.38
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	5	0.38
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	13	0.38
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	18	0.38
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	26	0.38
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	28	0.38
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	1	0.38
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	2	0.38
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	8	0.38
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	27	0.38
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	28	0.38
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	29	0.38
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	13	0.38
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	18	0.38
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	24	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	26	0.38
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	10	0.38
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	11	0.38
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	21	0.38
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	23	0.38
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	12	0.38
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	3	0.38
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	12	0.38
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	16	0.38
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	20	0.38
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	26	0.38
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	27	0.38
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	28	0.38
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	2	0.38
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	24	0.38
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	7	0.38
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	11	0.38
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	27	0.38
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	27	0.38
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	10	0.38
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	13	0.38
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	27	0.38
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	14	0.38
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	23	0.38
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	28	0.38
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	19	0.38
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	12	0.38
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	25	0.38
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	8	0.38
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	11	0.38
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	24	0.38
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	29	0.38
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	20	0.38
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	4	0.38
(3,252)	1:23:A:THR:H	1:22:A:ILE:HB	22	0.38
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	11	0.38
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	6	0.38
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	8	0.38
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	24	0.38
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	27	0.38
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	4	0.38
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	17	0.38
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	18	0.38
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	19	0.38
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	29	0.38
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	26	0.38
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	6	0.38
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	9	0.38
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	16	0.38
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	26	0.38
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	4	0.38
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	15	0.38
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	17	0.38
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	18	0.38
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	19	0.38
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	28	0.38
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	29	0.38
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	14	0.38
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	14	0.38
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,776)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,697)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,612)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,532)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,451)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,366)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,292)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,209)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,134)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	24	0.38
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	24	0.38
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	24	0.38
(2,60)	1:43:A:LYS:HB2	1:57:A:LEU:HB2	10	0.38
(1,15981)	1:57:A:LEU:HB2	1:53:A:VAL:HA	27	0.38
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	9	0.38
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	23	0.38
(1,15556)	1:67:A:SER:H	1:64:A:ASP:HB2	19	0.38
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	26	0.38
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	26	0.38
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	26	0.38
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	8	0.38
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	12	0.38
(1,14650)	1:57:A:LEU:HB2	1:53:A:VAL:HA	27	0.38
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,14485)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.38
(1,14485)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.38
(1,14485)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.38
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	1	0.38
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.38
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.38
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.38
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.38
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.38
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.38
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.38
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.38
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD22	1	0.38
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.38
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	9	0.38
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,13145)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.38
(1,13145)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.38
(1,13145)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.38
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.38
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,11916)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.38
(1,11760)	1:37:A:PRO:HG2	1:94:A:LYS:HG2	23	0.38
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.38
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	9	0.38
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,10462)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.38
(1,10462)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.38
(1,10462)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.38
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.38
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	10	0.38
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.38
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.38
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.38
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,9233)	1:53:A:VAL:HA	1:57:A:LEU:HB2	27	0.38
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,9118)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.38
(1,9118)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.38
(1,9118)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.38
(1,8875)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.38
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.38
(1,8837)	1:67:A:SER:H	1:64:A:ASP:HB2	19	0.38
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.38
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.38
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.38
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.38
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.38
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.38
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.38
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.38
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.38
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	3	0.38
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	9	0.38
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.38
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,6405)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.38
(1,6405)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.38
(1,6405)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.38
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	20	0.38
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	1	0.38
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	15	0.38
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.38
(1,6133)	1:67:A:SER:H	1:64:A:ASP:HB2	19	0.38
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	3	0.38
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	10	0.38
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	10	0.38
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	10	0.38
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	15	0.38
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD3	19	0.38
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	3	0.38
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.38
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.38
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	10	0.38
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	10	0.38
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.38
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,3449)	1:67:A:SER:H	1:64:A:ASP:HB2	19	0.38
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	10	0.38
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	10	0.38
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	10	0.38
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	15	0.38
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD3	19	0.38
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.38
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.38
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	10	0.38
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	10	0.38
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	10	0.38
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	15	0.38
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD3	19	0.38
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	10	0.38
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	9	0.38
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.38
(1,905)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	26	0.38
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	9	0.38
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	9	0.38
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	9	0.38
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	14	0.38
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	1	0.38
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	21	0.37
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	21	0.37
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	21	0.37
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	6	0.37
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	2	0.37
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	13	0.37
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG21	21	0.37
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG22	21	0.37
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG23	21	0.37
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	27	0.37
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	14	0.37
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	18	0.37
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	19	0.37
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	3	0.37
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	23	0.37
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	11	0.37
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	5	0.37
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	12	0.37
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	15	0.37
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	1	0.37
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	4	0.37
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	6	0.37
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	9	0.37
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	21	0.37
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	22	0.37
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	28	0.37
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	29	0.37
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	17	0.37
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	4	0.37
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	18	0.37
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	9	0.37
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	14	0.37
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	16	0.37
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	17	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	3	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	6	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	8	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	11	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	12	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	18	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	21	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	23	0.37
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	26	0.37
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	12	0.37
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	21	0.37
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	12	0.37
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	11	0.37
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	2	0.37
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	7	0.37
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	6	0.37
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	5	0.37
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	9	0.37
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	10	0.37
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	18	0.37
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	20	0.37
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	17	0.37
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	16	0.37
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	16	0.37
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	11	0.37
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	23	0.37
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	11	0.37
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	20	0.37
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	13	0.37
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	14	0.37
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	3	0.37
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	17	0.37
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	21	0.37
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	9	0.37
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	11	0.37
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	12	0.37
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	23	0.37
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	3	0.37
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	3	0.37
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	3	0.37
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	3	0.37
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	3	0.37
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	3	0.37
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	3	0.37
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	3	0.37
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	4	0.37
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	19	0.37
(1,15803)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.37
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.37
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	16	0.37
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	4	0.37
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	19	0.37
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.37
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.37
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.37
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.37
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.37
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	5	0.37
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.37
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.37
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.37
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.37
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.37
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.37
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.37
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.37
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.37
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.37
(1,12060)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.37
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	16	0.37
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	24	0.37
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.37
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.37
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	21	0.37
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	8	0.37
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	8	0.37
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	8	0.37
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	8	0.37
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	8	0.37
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	8	0.37
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	8	0.37
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	8	0.37
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,10476)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.37
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.37
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.37
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.37
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.37
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.37
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.37
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.37
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	5	0.37
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	13	0.37
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.37
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.37
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.37
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.37
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.37
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.37
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.37
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.37
(1,9097)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.37
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.37
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.37
(1,8777)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.37
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.37
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7770)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.37
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.37
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.37
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.37
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.37
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.37
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	15	0.37
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	17	0.37
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	10	0.37
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.37
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.37
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.37
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.37
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.37
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.37
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	3	0.37
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	12	0.37
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.37
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	15	0.37
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	17	0.37
(1,5430)	1:2:A:ASP:H	1:2:A:ASP:HB2	29	0.37
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	15	0.37
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	15	0.37
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	15	0.37
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	26	0.37
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,5079)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.37
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	12	0.37
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	12	0.37
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	12	0.37
(1,4939)	1:33:A:LEU:HD11	1:33:A:LEU:HA	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4939)	1:33:A:LEU:HD12	1:33:A:LEU:HA	18	0.37
(1,4939)	1:33:A:LEU:HD13	1:33:A:LEU:HA	18	0.37
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	21	0.37
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	21	0.37
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	21	0.37
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.37
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.37
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.37
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	15	0.37
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	15	0.37
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	15	0.37
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.37
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.37
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.37
(1,3391)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.37
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	15	0.37
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	15	0.37
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	15	0.37
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	17	0.37
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	26	0.37
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,2360)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.37
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.37
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.37
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.37
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.37
(1,1402)	1:2:A:ASP:H	1:2:A:ASP:HB2	8	0.37
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	15	0.37
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	15	0.37
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	24	0.37
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	20	0.37
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	26	0.37
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	18	0.37
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	18	0.37
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	18	0.37
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	12	0.37
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	12	0.37
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	12	0.37
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.37
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.37
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.37
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.37
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	22	0.37
(1,112)	1:86:A:GLY:H	1:85:A:GLY:HA2	14	0.37
(1,75)	1:2:A:ASP:H	1:2:A:ASP:HB2	29	0.37
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	25	0.36
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	26	0.36
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	12	0.36
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	21	0.36
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	24	0.36
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	14	0.36
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	15	0.36
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	27	0.36
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	5	0.36
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	11	0.36
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	18	0.36
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	23	0.36
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	26	0.36
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG21	13	0.36
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG22	13	0.36
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG23	13	0.36
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	17	0.36
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	13	0.36
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	28	0.36
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	4	0.36
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	7	0.36
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	12	0.36
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	16	0.36
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	22	0.36
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	25	0.36
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	2	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	6	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	7	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	9	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	10	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	14	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	16	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	18	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	20	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	22	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	25	0.36
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	27	0.36
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	1	0.36
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	10	0.36
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	11	0.36
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	17	0.36
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	27	0.36
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	23	0.36
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	26	0.36
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	17	0.36
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	23	0.36
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	25	0.36
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	1	0.36
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	5	0.36
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	17	0.36
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	18	0.36
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	20	0.36
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	29	0.36
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	26	0.36
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	4	0.36
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	11	0.36
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	7	0.36
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	16	0.36
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	20	0.36
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	2	0.36
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	7	0.36
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	9	0.36
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	18	0.36
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	26	0.36
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	22	0.36
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	16	0.36
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	26	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	27	0.36
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	4	0.36
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	12	0.36
(3,373)	1:39:A:VAL:H	1:38:A:VAL:HB	16	0.36
(3,332)	1:26:A:ALA:H	1:25:A:SER:HB3	8	0.36
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	20	0.36
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	13	0.36
(3,328)	1:58:A:GLN:H	1:58:A:GLN:HG2	22	0.36
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	2	0.36
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	4	0.36
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	29	0.36
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	7	0.36
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	15	0.36
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	17	0.36
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	22	0.36
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	23	0.36
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	24	0.36
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	28	0.36
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	8	0.36
(3,93)	1:13:A:ASP:H	1:13:A:ASP:HB2	22	0.36
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	5	0.36
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	7	0.36
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	10	0.36
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	14	0.36
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	16	0.36
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	20	0.36
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	22	0.36
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	8	0.36
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	13	0.36
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	13	0.36
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	13	0.36
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	22	0.36
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	17	0.36
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	28	0.36
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	22	0.36
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	17	0.36
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	15	0.36
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.36
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.36
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.36
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	0.36
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.36
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.36
(1,12277)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.36
(1,12277)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.36
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	0.36
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.36
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10939)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.36
(1,10939)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.36
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD11	27	0.36
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD12	27	0.36
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD13	27	0.36
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	2	0.36
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	2	0.36
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	2	0.36
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	2	0.36
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	2	0.36
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	2	0.36
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	2	0.36
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	2	0.36
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	2	0.36
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	21	0.36
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	21	0.36
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	21	0.36
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	21	0.36
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	21	0.36
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	21	0.36
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	21	0.36
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	21	0.36
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	21	0.36
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	0.36
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,8977)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	6	0.36
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.36
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.36
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	0.36
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.36
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.36
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	4	0.36
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	7	0.36
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	7	0.36
(1,6641)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	7	0.36
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	18	0.36
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	0.36
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,6267)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	6	0.36
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	18	0.36
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	22	0.36
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	24	0.36
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.36
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.36
(1,5548)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.36
(1,5548)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.36
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	4	0.36
(1,5430)	1:2:A:ASP:H	1:2:A:ASP:HB2	25	0.36
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	26	0.36
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.36
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.36
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.36
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	10	0.36
(1,4210)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.36
(1,4210)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.36
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,3907)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	27	0.36
(1,3907)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	27	0.36
(1,3907)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	27	0.36
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	26	0.36
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	7	0.36
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	28	0.36
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	28	0.36
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	28	0.36
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	28	0.36
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	28	0.36
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	28	0.36
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	28	0.36
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	28	0.36
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	28	0.36
(1,3587)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	6	0.36
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,2862)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.36
(1,2862)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.36
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	21	0.36
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	23	0.36
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	26	0.36
(1,2509)	1:52:A:LYS:HD2	1:48:A:ASP:HB2	12	0.36
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.36
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.36
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	1	0.36
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	3	0.36
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	2	0.36
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	18	0.36
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	17	0.36
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	22	0.36
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	21	0.36
(1,905)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.36
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.36
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	22	0.36
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.36
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.36
(1,845)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.36
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	11	0.36
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	20	0.36
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	10	0.36
(1,75)	1:2:A:ASP:H	1:2:A:ASP:HB2	25	0.36
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	10	0.35
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	2	0.35
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	5	0.35
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	15	0.35
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	8	0.35
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	15	0.35
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	28	0.35
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	2	0.35
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	24	0.35
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	22	0.35
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	26	0.35
(3,616)	1:25:A:SER:H	1:24:A:PHE:H	29	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	11	0.35
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	25	0.35
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	21	0.35
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	13	0.35
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	20	0.35
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	1	0.35
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	3	0.35
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	13	0.35
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	17	0.35
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	23	0.35
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	29	0.35
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	4	0.35
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	20	0.35
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	3	0.35
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	5	0.35
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	7	0.35
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	8	0.35
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	10	0.35
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	11	0.35
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	14	0.35
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	16	0.35
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	27	0.35
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	7	0.35
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	20	0.35
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	27	0.35
(3,541)	1:17:A:THR:H	1:16:A:VAL:H	2	0.35
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	10	0.35
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	26	0.35
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	10	0.35
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	24	0.35
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	25	0.35
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	25	0.35
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	10	0.35
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	11	0.35
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	17	0.35
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	18	0.35
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	15	0.35
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	20	0.35
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	24	0.35
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	9	0.35
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	14	0.35
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	3	0.35
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	29	0.35
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	28	0.35
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	1	0.35
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	4	0.35
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	23	0.35
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	6	0.35
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	9	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	2	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	3	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	5	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	13	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	17	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	21	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	22	0.35
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	26	0.35
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	18	0.35
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	19	0.35
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	3	0.35
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	9	0.35
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	17	0.35
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	14	0.35
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	21	0.35
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	23	0.35
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	21	0.35
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	1	0.35
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	15	0.35
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	18	0.35
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	21	0.35
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	26	0.35
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	8	0.35
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	24	0.35
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	9	0.35
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	9	0.35
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	24	0.35
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	24	0.35
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	24	0.35
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	24	0.35
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	24	0.35
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	24	0.35
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	24	0.35
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	24	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16076)	1:81:A:PRO:HA	1:80:A:GLN:HG2	21	0.35
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	2	0.35
(1,16001)	1:80:A:GLN:HG3	1:83:A:PHE:HA	9	0.35
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	9	0.35
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	14	0.35
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	14	0.35
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	9	0.35
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.35
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.35
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.35
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.35
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.35
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.35
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.35
(1,13570)	1:4:A:ILE:H	1:5:A:GLY:HA2	20	0.35
(1,13362)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.35
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.35
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,13015)	1:33:A:LEU:HD11	1:33:A:LEU:HA	7	0.35
(1,13015)	1:33:A:LEU:HD12	1:33:A:LEU:HA	7	0.35
(1,13015)	1:33:A:LEU:HD13	1:33:A:LEU:HA	7	0.35
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.35
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.35
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.35
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.35
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.35
(1,12021)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.35
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	1	0.35
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	1	0.35
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	1	0.35
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.35
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	14	0.35
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.35
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.35
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.35
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.35
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.35
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.35
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.35
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.35
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD11	23	0.35
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD12	23	0.35
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD13	23	0.35
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	12	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	12	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	12	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	12	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	12	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	12	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	12	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	12	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	15	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	15	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	15	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	15	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	15	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	15	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	15	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	15	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	15	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	18	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	18	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	18	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	18	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	18	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	18	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	18	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	18	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	18	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	24	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	24	0.35
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	24	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	24	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	24	0.35
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	24	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	24	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	24	0.35
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	24	0.35
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	12	0.35
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.35
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.35
(1,9596)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.35
(1,9339)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.35
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	4	0.35
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	4	0.35
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	4	0.35
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	19	0.35
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	19	0.35
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.35
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.35
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.35
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.35
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.35
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.35
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.35
(1,8245)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.35
(1,8124)	1:2:A:ASP:H	1:2:A:ASP:HB2	7	0.35
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	14	0.35
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.35
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.35
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.35
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.35
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.35
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.35
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.35
(1,6890)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.35
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	18	0.35
(1,6770)	1:2:A:ASP:H	1:2:A:ASP:HB2	7	0.35
(1,6634)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.35
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	4	0.35
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	23	0.35
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	20	0.35
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.35
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.35
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.35
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.35
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.35
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	18	0.35
(1,5249)	1:38:A:VAL:HG11	1:35:A:LYS:HD3	10	0.35
(1,5249)	1:38:A:VAL:HG12	1:35:A:LYS:HD3	10	0.35
(1,5249)	1:38:A:VAL:HG13	1:35:A:LYS:HD3	10	0.35
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.35
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	4	0.35
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	4	0.35
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	4	0.35
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	19	0.35
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	19	0.35
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	19	0.35
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	4	0.35
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	4	0.35
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	13	0.35
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	13	0.35
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	13	0.35
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	29	0.35
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	29	0.35
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	29	0.35
(1,4827)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.35
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.35
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35
(1,4092)	1:2:A:ASP:H	1:2:A:ASP:HB2	7	0.35
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,3483)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.35
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2743)	1:2:A:ASP:H	1:2:A:ASP:HB2	7	0.35
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	3	0.35
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	26	0.35
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.35
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	4	0.35
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	4	0.35
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	4	0.35
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	19	0.35
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	19	0.35
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	19	0.35
(1,2139)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.35
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.35
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.35
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.35
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.35
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.35
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.35
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	6	0.35
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	11	0.35
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	12	0.35
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	19	0.35
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	22	0.35
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	25	0.35
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	27	0.35
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	28	0.35
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	1	0.35
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	1	0.35
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	1	0.35
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	21	0.35
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	21	0.35
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	21	0.35
(1,1116)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.35
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.35
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	18	0.35
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	23	0.35
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	4	0.35
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	4	0.35
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	4	0.35
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	19	0.35
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	19	0.35
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	19	0.35
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	7	0.35
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	7	0.35
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	7	0.35
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	10	0.35
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	10	0.35
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	10	0.35
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	12	0.35
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	16	0.35
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	22	0.35
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	1	0.35
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	1	0.35
(1,192)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.35
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	19	0.34
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	3	0.34
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	6	0.34
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	17	0.34
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	9	0.34
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	18	0.34
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	23	0.34
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	13	0.34
(3,623)	1:49:A:LEU:H	1:48:A:ASP:HB3	2	0.34
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	14	0.34
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	2	0.34
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	3	0.34
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	24	0.34
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	27	0.34
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	12	0.34
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	26	0.34
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	3	0.34
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	7	0.34
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	9	0.34
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	8	0.34
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	11	0.34
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	24	0.34
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	3	0.34
(3,561)	1:73:A:GLU:H	1:72:A:PHE:HB2	20	0.34
(3,558)	1:77:A:THR:H	1:76:A:ILE:HB	13	0.34
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	15	0.34
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	17	0.34
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	21	0.34
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	4	0.34
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	21	0.34
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	25	0.34
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	2	0.34
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	4	0.34
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	6	0.34
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	12	0.34
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	13	0.34
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	19	0.34
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	20	0.34
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	28	0.34
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	10	0.34
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	16	0.34
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	5	0.34
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	23	0.34
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	26	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	5	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	8	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	13	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	14	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	16	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	17	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	18	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	22	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	28	0.34
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	29	0.34
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	15	0.34
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	22	0.34
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	26	0.34
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	26	0.34
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	10	0.34
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	14	0.34
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	21	0.34
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	24	0.34
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	17	0.34
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	26	0.34
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	1	0.34
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	6	0.34
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	14	0.34
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	15	0.34
(3,372)	1:46:A:TRP:HE1	1:45:A:LYS:HB2	14	0.34
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	11	0.34
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	15	0.34
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	1	0.34
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	20	0.34
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	22	0.34
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	23	0.34
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	28	0.34
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	29	0.34
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	29	0.34
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	26	0.34
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	3	0.34
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	25	0.34
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	3	0.34
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	28	0.34
(3,164)	1:21:A:SER:H	1:20:A:GLY:H	25	0.34
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	7	0.34
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	19	0.34
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	27	0.34
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	2	0.34
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	1	0.34
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	2	0.34
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	6	0.34
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	27	0.34
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	3	0.34
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	21	0.34
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	3	0.34
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	21	0.34
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	3	0.34
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	21	0.34
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	3	0.34
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	21	0.34
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	3	0.34
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	21	0.34
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	3	0.34
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	21	0.34
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	3	0.34
(1,16029)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	9	0.34
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	23	0.34
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD11	27	0.34
(1,15903)	1:22:A:ILE:HG22	1:74:A:LEU:HD13	23	0.34
(1,15803)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.34
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	5	0.34
(1,15566)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.34
(1,14698)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	9	0.34
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	23	0.34
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD11	27	0.34
(1,14570)	1:22:A:ILE:HG22	1:74:A:LEU:HD13	23	0.34
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.34
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.34
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.34
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.34
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.34
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.34
(1,14485)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.34
(1,14485)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.34
(1,14485)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.34
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.34
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.34
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.34
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.34
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.34
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.34
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.34
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.34
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.34
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD11	18	0.34
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	1	0.34
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	5	0.34
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE2	9	0.34
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE2	17	0.34
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.34
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.34
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	24	0.34
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	24	0.34
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	24	0.34
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	29	0.34
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	29	0.34
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	29	0.34
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,13258)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.34
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.34
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.34
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.34
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.34
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.34
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.34
(1,13145)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.34
(1,13145)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.34
(1,13145)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.34
(1,12881)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.34
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.34
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	23	0.34
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.34
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.34
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	19	0.34
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	17	0.34
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	26	0.34
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	26	0.34
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	26	0.34
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	26	0.34
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	26	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	26	0.34
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	26	0.34
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	26	0.34
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	26	0.34
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,10476)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.34
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.34
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.34
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.34
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.34
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.34
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.34
(1,10462)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.34
(1,10462)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.34
(1,10462)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.34
(1,10196)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.34
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.34
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	17	0.34
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.34
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.34
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.34
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.34
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.34
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.34
(1,9118)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.34
(1,9118)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.34
(1,9118)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.34
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	14	0.34
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	14	0.34
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	14	0.34
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	15	0.34
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	15	0.34
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	23	0.34
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	23	0.34
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	23	0.34
(1,9097)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.34
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.34
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	11	0.34
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,7770)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.34
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.34
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.34
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.34
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.34
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.34
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.34
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.34
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.34
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.34
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.34
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.34
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.34
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	20	0.34
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	22	0.34
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	23	0.34
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	24	0.34
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.34
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.34
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.34
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.34
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.34
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.34
(1,6405)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.34
(1,6405)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.34
(1,6405)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.34
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	8	0.34
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	9	0.34
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	17	0.34
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	28	0.34
(1,6146)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.34
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.34
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	20	0.34
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	22	0.34
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	23	0.34
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	24	0.34
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	27	0.34
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	27	0.34
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	27	0.34
(1,5079)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.34
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	14	0.34
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	14	0.34
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	14	0.34
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	15	0.34
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	15	0.34
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	15	0.34
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	23	0.34
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	23	0.34
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	23	0.34
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	16	0.34
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	16	0.34
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	17	0.34
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE2	9	0.34
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE2	17	0.34
(1,4565)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.34
(1,4565)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.34
(1,4565)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.34
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	12	0.34
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	12	0.34
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	12	0.34
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	12	0.34
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	12	0.34
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	12	0.34
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	12	0.34
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	12	0.34
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	12	0.34
(1,3221)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.34
(1,3221)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.34
(1,3221)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.34
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.34
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	14	0.34
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	16	0.34
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	25	0.34
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	14	0.34
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	14	0.34
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	14	0.34
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	15	0.34
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	15	0.34
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	23	0.34
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	23	0.34
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	23	0.34
(1,2360)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.34
(1,1672)	1:69:A:VAL:H	1:64:A:ASP:HB2	9	0.34
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.34
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	6	0.34
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	12	0.34
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	18	0.34
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	27	0.34
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	18	0.34
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	27	0.34
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	27	0.34
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	27	0.34
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	14	0.34
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	14	0.34
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	14	0.34
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	15	0.34
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	15	0.34
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	15	0.34
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	23	0.34
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	23	0.34
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	23	0.34
(1,905)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	5	0.34
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	11	0.34
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	22	0.33
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	22	0.33
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	22	0.33
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	23	0.33
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	23	0.33
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	23	0.33
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	28	0.33
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	25	0.33
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	1	0.33
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	7	0.33
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	10	0.33
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	12	0.33
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	14	0.33
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	19	0.33
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	21	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	23	0.33
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	26	0.33
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	2	0.33
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	21	0.33
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	7	0.33
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	6	0.33
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	3	0.33
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	28	0.33
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	16	0.33
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	5	0.33
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	22	0.33
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	10	0.33
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	2	0.33
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	5	0.33
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	24	0.33
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	28	0.33
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	2	0.33
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	17	0.33
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	23	0.33
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	5	0.33
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	14	0.33
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	9	0.33
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	17	0.33
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	18	0.33
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	21	0.33
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	27	0.33
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	6	0.33
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	9	0.33
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	28	0.33
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	6	0.33
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	9	0.33
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	21	0.33
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	29	0.33
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	4	0.33
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	10	0.33
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	12	0.33
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	19	0.33
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	23	0.33
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	25	0.33
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	26	0.33
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	27	0.33
(3,498)	1:23:A:THR:H	1:22:A:ILE:H	25	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	19	0.33
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	22	0.33
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	24	0.33
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	27	0.33
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	23	0.33
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	22	0.33
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	2	0.33
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	7	0.33
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	9	0.33
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	18	0.33
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	3	0.33
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	17	0.33
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	8	0.33
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	3	0.33
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	12	0.33
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	17	0.33
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	3	0.33
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	12	0.33
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	16	0.33
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	25	0.33
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	1	0.33
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	26	0.33
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	4	0.33
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	16	0.33
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	27	0.33
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	27	0.33
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	8	0.33
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	17	0.33
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	9	0.33
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	4	0.33
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	16	0.33
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	22	0.33
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	15	0.33
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	12	0.33
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	5	0.33
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	20	0.33
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	27	0.33
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	26	0.33
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	12	0.33
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	22	0.33
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	22	0.33
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	22	0.33
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,15981)	1:57:A:LEU:HB2	1:53:A:VAL:HA	22	0.33
(1,15940)	1:43:A:LYS:HD3	1:49:A:LEU:HD11	24	0.33
(1,15940)	1:43:A:LYS:HD3	1:49:A:LEU:HD12	24	0.33
(1,15940)	1:43:A:LYS:HD3	1:49:A:LEU:HD13	24	0.33
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	7	0.33
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD11	11	0.33
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	21	0.33
(1,15838)	1:1:A:ASP:HA	1:2:A:ASP:HB2	8	0.33
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	6	0.33
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	7	0.33
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	22	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	15	0.33
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,14743)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	13	0.33
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,14650)	1:57:A:LEU:HB2	1:53:A:VAL:HA	22	0.33
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	7	0.33
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD11	11	0.33
(1,14501)	1:1:A:ASP:HA	1:2:A:ASP:HB2	8	0.33
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.33
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.33
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.33
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD21	9	0.33
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	8	0.33
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	6	0.33
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	7	0.33
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.33
(1,13606)	1:96:A:LYS:H	1:96:A:LYS:HG3	13	0.33
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,13271)	1:43:A:LYS:HD3	1:49:A:LEU:HD11	24	0.33
(1,13271)	1:43:A:LYS:HD3	1:49:A:LEU:HD12	24	0.33
(1,13271)	1:43:A:LYS:HD3	1:49:A:LEU:HD13	24	0.33
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.33
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.33
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.33
(1,12987)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.33
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.33
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.33
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,11916)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.33
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	11	0.33
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	20	0.33
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	22	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.33
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD11	24	0.33
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD12	24	0.33
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD13	24	0.33
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.33
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	4	0.33
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	4	0.33
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	4	0.33
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	4	0.33
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	4	0.33
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	4	0.33
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	4	0.33
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	4	0.33
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	4	0.33
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	9	0.33
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	9	0.33
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	9	0.33
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	9	0.33
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	9	0.33
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	9	0.33
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	9	0.33
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	9	0.33
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	9	0.33
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.33
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.33
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.33
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.33
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.33
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.33
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,9233)	1:53:A:VAL:HA	1:57:A:LEU:HB2	22	0.33
(1,9146)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.33
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.33
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.33
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.33
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.33
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.33
(1,7757)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.33
(1,7757)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.33
(1,7757)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.33
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.33
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	7	0.33
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	12	0.33
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.33
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.33
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.33
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.33
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	21	0.33
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	29	0.33
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.33
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.33
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	7	0.33
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	12	0.33
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	2	0.33
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	2	0.33
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	2	0.33
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	17	0.33
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.33
(1,5094)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5066)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.33
(1,5066)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.33
(1,5066)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.33
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	2	0.33
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	2	0.33
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	2	0.33
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.33
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	2	0.33
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	2	0.33
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	2	0.33
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.33
(1,3755)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.33
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	2	0.33
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	2	0.33
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	2	0.33
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	15	0.33
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.33
(1,2411)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.33
(1,2380)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.33
(1,2380)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.33
(1,2380)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.33
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	26	0.33
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.33
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.33
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.33
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	2	0.33
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	2	0.33
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	2	0.33
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	17	0.33
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.33
(1,1072)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.33
(1,1043)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.33
(1,1043)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.33
(1,1043)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.33
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	12	0.33
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	13	0.33
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	23	0.33
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	24	0.33
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	17	0.33
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD2	5	0.33
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	21	0.33
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	23	0.33
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	25	0.32
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	20	0.32
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	22	0.32
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	29	0.32
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	16	0.32
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	18	0.32
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	3	0.32
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	14	0.32
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	29	0.32
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	26	0.32
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	28	0.32
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	2	0.32
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	7	0.32
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	8	0.32
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	10	0.32
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	22	0.32
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	27	0.32
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	12	0.32
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	28	0.32
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	4	0.32
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	26	0.32
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	7	0.32
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	8	0.32
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	12	0.32
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	14	0.32
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	25	0.32
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	26	0.32
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	28	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	27	0.32
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	21	0.32
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	5	0.32
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	15	0.32
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	12	0.32
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	7	0.32
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	14	0.32
(3,551)	1:47:A:VAL:H	1:48:A:ASP:H	25	0.32
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	9	0.32
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	1	0.32
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	7	0.32
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	15	0.32
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	16	0.32
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	22	0.32
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	29	0.32
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	27	0.32
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	14	0.32
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	3	0.32
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	15	0.32
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	16	0.32
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	25	0.32
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	3	0.32
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	6	0.32
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	9	0.32
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	21	0.32
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	1	0.32
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	6	0.32
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	7	0.32
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	20	0.32
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	23	0.32
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	25	0.32
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	26	0.32
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	1	0.32
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	23	0.32
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	2	0.32
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	6	0.32
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	1	0.32
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	4	0.32
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	13	0.32
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	25	0.32
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	5	0.32
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	1	0.32
(3,392)	1:19:A:GLY:H	1:18:A:VAL:HB	25	0.32
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	15	0.32
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	9	0.32
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	23	0.32
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	3	0.32
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	15	0.32
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	19	0.32
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	26	0.32
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	24	0.32
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	16	0.32
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	22	0.32
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	5	0.32
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	7	0.32
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	13	0.32
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	7	0.32
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	4	0.32
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	14	0.32
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	25	0.32
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	16	0.32
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	5	0.32
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	16	0.32
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	23	0.32
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	27	0.32
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	25	0.32
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	1	0.32
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	14	0.32
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	29	0.32
(3,117)	1:2:A:ASP:H	1:2:A:ASP:HB3	22	0.32
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	5	0.32
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	5	0.32
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	5	0.32
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	5	0.32
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	5	0.32
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	19	0.32
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG3	25	0.32
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	28	0.32
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD13	16	0.32
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	19	0.32
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	19	0.32
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	19	0.32
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.32
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	2	0.32
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	22	0.32
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	9	0.32
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	28	0.32
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG3	25	0.32
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	28	0.32
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD13	16	0.32
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,14554)	1:93:A:THR:HG21	1:37:A:PRO:HB2	20	0.32
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.32
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.32
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.32
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.32
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.32
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.32
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.32
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.32
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.32
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.32
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.32
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.32
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.32
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.32
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.32
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.32
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.32
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.32
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.32
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.32
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.32
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.32
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.32
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	2	0.32
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	2	0.32
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	22	0.32
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.32
(1,13400)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.32
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	0.32
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	0.32
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	0.32
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.32
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.32
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.32
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.32
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.32
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.32
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,13080)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.32
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.32
(1,12995)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,12995)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,12418)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.32
(1,11981)	1:33:A:LEU:HG	1:35:A:LYS:HA	6	0.32
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	0.32
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	0.32
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	0.32
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,11743)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.32
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.32
(1,11660)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,11660)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.32
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.32
(1,10891)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.32
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.32
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	28	0.32
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	22	0.32
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	22	0.32
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	22	0.32
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	22	0.32
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	22	0.32
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	22	0.32
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	22	0.32
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	22	0.32
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	22	0.32
(1,10576)	1:53:A:VAL:HA	1:57:A:LEU:HB2	10	0.32
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	4	0.32
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	0.32
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	0.32
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	0.32
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.32
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.32
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.32
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.32
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.32
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.32
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,10312)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,10312)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,9550)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.32
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.32
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.32
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.32
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.32
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.32
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.32
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.32
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	13	0.32
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	13	0.32
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	13	0.32
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	25	0.32
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	25	0.32
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	25	0.32
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.32
(1,8967)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,8967)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.32
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	27	0.32
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	27	0.32
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	27	0.32
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.32
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	4	0.32
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	0.32
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	0.32
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	0.32
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.32
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.32
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.32
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.32
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.32
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.32
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.32
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.32
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.32
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.32
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.32
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.32
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.32
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.32
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.32
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.32
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.32
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.32
(1,7608)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,7608)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.32
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,6842)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.32
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	2	0.32
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.32
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	0.32
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	0.32
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	0.32
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.32
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.32
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.32
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.32
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.32
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.32
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,6342)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.32
(1,6257)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,6257)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	2	0.32
(1,5430)	1:2:A:ASP:H	1:2:A:ASP:HB2	10	0.32
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.32
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	4	0.32
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	11	0.32
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	11	0.32
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	11	0.32
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	13	0.32
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	13	0.32
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	13	0.32
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	25	0.32
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	25	0.32
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	25	0.32
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	1	0.32
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	1	0.32
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	1	0.32
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	9	0.32
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	9	0.32
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	9	0.32
(1,4918)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,4918)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.32
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.32
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.32
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.32
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.32
(1,3932)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.32
(1,3914)	1:33:A:LEU:HG	1:35:A:LYS:HA	6	0.32
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	4	0.32
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	12	0.32
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	29	0.32
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,3663)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.32
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	2	0.32
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	2	0.32
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	2	0.32
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	2	0.32
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	2	0.32
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	2	0.32
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	2	0.32
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	2	0.32
(1,3577)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,3577)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,3004)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.32
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.32
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	28	0.32
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	28	0.32
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	3	0.32
(1,2497)	1:53:A:VAL:HA	1:57:A:LEU:HB2	10	0.32
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	23	0.32
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	23	0.32
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	23	0.32
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	13	0.32
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	13	0.32
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	13	0.32
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	25	0.32
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	25	0.32
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	25	0.32
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.32
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	11	0.32
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	28	0.32
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	11	0.32
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	10	0.32
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	10	0.32
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	10	0.32
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	13	0.32
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	13	0.32
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	13	0.32
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	25	0.32
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	25	0.32
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	25	0.32
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	24	0.32
(1,905)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	29	0.32
(1,895)	1:50:A:SER:HB2	1:50:A:SER:HA	2	0.32
(1,895)	1:50:A:SER:HB2	1:50:A:SER:HA	7	0.32
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	8	0.32
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	8	0.32
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	8	0.32
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	11	0.32
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	18	0.32
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	6	0.32
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	10	0.32
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	28	0.32
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	8	0.32
(1,330)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.32
(1,75)	1:2:A:ASP:H	1:2:A:ASP:HB2	10	0.32
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	1	0.31
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	2	0.31
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	22	0.31
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	9	0.31
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	3	0.31
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	5	0.31
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	5	0.31
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	6	0.31
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	12	0.31
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	25	0.31
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	29	0.31
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	5	0.31
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	11	0.31
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	15	0.31
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	18	0.31
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	19	0.31
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	28	0.31
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	25	0.31
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	1	0.31
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	27	0.31
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	1	0.31
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	6	0.31
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	10	0.31
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	18	0.31
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	20	0.31
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	17	0.31
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	15	0.31
(3,573)	1:73:A:GLU:H	1:72:A:PHE:H	19	0.31
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	19	0.31
(3,571)	1:64:A:ASP:H	1:63:A:TYR:HB2	21	0.31
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	13	0.31
(3,562)	1:77:A:THR:H	1:78:A:ASP:H	17	0.31
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	8	0.31
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	16	0.31
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	6	0.31
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	3	0.31
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	5	0.31
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	8	0.31
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	11	0.31
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	23	0.31
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	12	0.31
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	4	0.31
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	1	0.31
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	2	0.31
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	4	0.31
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	19	0.31
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	24	0.31
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	1	0.31
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	2	0.31
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	7	0.31
(3,506)	1:18:A:VAL:H	1:19:A:GLY:H	11	0.31
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	4	0.31
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	5	0.31
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	10	0.31
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	19	0.31
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	20	0.31
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	15	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	2	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	5	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	7	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	13	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	16	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	18	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	20	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	23	0.31
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	24	0.31
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	7	0.31
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	10	0.31
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	14	0.31
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	21	0.31
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	24	0.31
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	7	0.31
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	24	0.31
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	6	0.31
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	10	0.31
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	13	0.31
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	28	0.31
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	2	0.31
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	11	0.31
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	12	0.31
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	14	0.31
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	17	0.31
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	21	0.31
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	25	0.31
(3,332)	1:26:A:ALA:H	1:25:A:SER:HB3	24	0.31
(3,332)	1:26:A:ALA:H	1:25:A:SER:HB3	29	0.31
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	12	0.31
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	19	0.31
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	26	0.31
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	10	0.31
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	17	0.31
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	23	0.31
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	5	0.31
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	6	0.31
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	10	0.31
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	10	0.31
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	3	0.31
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	21	0.31
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	22	0.31
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	5	0.31
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	28	0.31
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	15	0.31
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	23	0.31
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	4	0.31
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	15	0.31
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	17	0.31
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	9	0.31
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	26	0.31
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	9	0.31
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	26	0.31
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	9	0.31
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	26	0.31
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	9	0.31
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	26	0.31
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	9	0.31
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	26	0.31
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	9	0.31
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	26	0.31
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	10	0.31
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD11	12	0.31
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	24	0.31
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,15838)	1:1:A:ASP:HA	1:2:A:ASP:HB2	10	0.31
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD21	10	0.31
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.31
(1,15683)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.31
(1,15683)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15683)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	17	0.31
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	3	0.31
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	15	0.31
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	24	0.31
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	16	0.31
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	4	0.31
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	12	0.31
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	22	0.31
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	26	0.31
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	13	0.31
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	13	0.31
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	13	0.31
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD11	12	0.31
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	24	0.31
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,14501)	1:1:A:ASP:HA	1:2:A:ASP:HB2	10	0.31
(1,14485)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.31
(1,14485)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.31
(1,14485)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.31
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	22	0.31
(1,14349)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.31
(1,14349)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	17	0.31
(1,14349)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	17	0.31
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	3	0.31
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	15	0.31
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	24	0.31
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.31
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.31
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.31
(1,13570)	1:4:A:ILE:H	1:5:A:GLY:HA2	16	0.31
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,13145)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13145)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.31
(1,13145)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.31
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.31
(1,13005)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.31
(1,13005)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	17	0.31
(1,13005)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	17	0.31
(1,12995)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31
(1,12995)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.31
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.31
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.31
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.31
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.31
(1,11660)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31
(1,11660)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	13	0.31
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.31
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,11264)	1:44:A:GLY:H	1:43:A:LYS:HG2	9	0.31
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.31
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.31
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.31
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	8	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	13	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	13	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	13	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	13	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	13	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	13	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	13	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	13	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	13	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	16	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	16	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	16	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	16	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	16	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	16	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	16	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	16	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG11	25	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG12	25	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG13	25	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG11	25	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG12	25	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG13	25	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG11	25	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG12	25	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG13	25	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	28	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	28	0.31
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	28	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	28	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	28	0.31
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	28	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	28	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	28	0.31
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	28	0.31
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,10462)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.31
(1,10462)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.31
(1,10462)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.31
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.31
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.31
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.31
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.31
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.31
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.31
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.31
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.31
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.31
(1,10312)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10312)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.31
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,9146)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.31
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,9118)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.31
(1,9118)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.31
(1,9118)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.31
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	3	0.31
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	3	0.31
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	3	0.31
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	28	0.31
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	28	0.31
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	28	0.31
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.31
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	29	0.31
(1,8967)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31
(1,8967)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.31
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.31
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.31
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	29	0.31
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	29	0.31
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	29	0.31
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	29	0.31
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	29	0.31
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	29	0.31
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	29	0.31
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	29	0.31
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	29	0.31
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,7608)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31
(1,7608)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.31
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.31
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.31
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	25	0.31
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,6405)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.31
(1,6405)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.31
(1,6405)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.31
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.31
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.31
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.31
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.31
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.31
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.31
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.31
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.31
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.31
(1,6257)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31
(1,6257)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	2	0.31
(1,6173)	1:66:A:ALA:H	1:65:A:ARG:HD2	7	0.31
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.31
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.31
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.31
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	25	0.31
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,5094)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.31
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	16	0.31
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	16	0.31
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	16	0.31
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	3	0.31
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	3	0.31
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	3	0.31
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	28	0.31
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	28	0.31
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	28	0.31
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	29	0.31
(1,4918)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31
(1,4918)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.31
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,3755)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.31
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	26	0.31
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	26	0.31
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	26	0.31
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	26	0.31
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	26	0.31
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	26	0.31
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	26	0.31
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	26	0.31
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	26	0.31
(1,3577)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31
(1,3577)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.31
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	2	0.31
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	4	0.31
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	22	0.31
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	5	0.31
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,2411)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.31
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	3	0.31
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	3	0.31
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	3	0.31
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	28	0.31
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	28	0.31
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	28	0.31
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.31
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.31
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.31
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.31
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	24	0.31
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	2	0.31
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	24	0.31
(1,1072)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.31
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	13	0.31
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	13	0.31
(1,1068)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	13	0.31
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	3	0.31
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	3	0.31
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	28	0.31
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	28	0.31
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	28	0.31
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.31
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.31
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.31
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.31
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.31
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.31
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.31
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.31
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.31
(1,905)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	3	0.31
(1,895)	1:50:A:SER:HB2	1:50:A:SER:HA	17	0.31
(1,895)	1:50:A:SER:HB2	1:50:A:SER:HA	22	0.31
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	3	0.31
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	3	0.31
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	3	0.31
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	20	0.31
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	20	0.31
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	20	0.31
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	16	0.31
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD2	2	0.31
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	25	0.31
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	26	0.3
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	13	0.3
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	4	0.3
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	12	0.3
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	24	0.3
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	10	0.3
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	20	0.3
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	2	0.3
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	6	0.3
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	17	0.3
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	21	0.3
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	24	0.3
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	8	0.3
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	15	0.3
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	28	0.3
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	15	0.3
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	25	0.3
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	1	0.3
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	11	0.3
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	21	0.3
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	14	0.3
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	11	0.3
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	12	0.3
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	2	0.3
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	13	0.3
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	7	0.3
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	13	0.3
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	14	0.3
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	14	0.3
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	20	0.3
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	9	0.3
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	14	0.3
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	17	0.3
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	28	0.3
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	29	0.3
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	18	0.3
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	21	0.3
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	3	0.3
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	18	0.3
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	3	0.3
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	4	0.3
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	5	0.3
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	12	0.3
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	17	0.3
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	21	0.3
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	4	0.3
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	7	0.3
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	25	0.3
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	1	0.3
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	3	0.3
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	8	0.3
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	9	0.3
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	15	0.3
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	19	0.3
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	28	0.3
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	11	0.3
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	3	0.3
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	17	0.3
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	20	0.3
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	2	0.3
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	3	0.3
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	7	0.3
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	19	0.3
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	2	0.3
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	20	0.3
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	11	0.3
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	22	0.3
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	5	0.3
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	10	0.3
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	13	0.3
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	8	0.3
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	29	0.3
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	9	0.3
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	20	0.3
(3,310)	1:63:A:TYR:H	1:63:A:TYR:HB2	29	0.3
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	6	0.3
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	7	0.3
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	18	0.3
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	21	0.3
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	26	0.3
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	11	0.3
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	27	0.3
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	2	0.3
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	26	0.3
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	13	0.3
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	27	0.3
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	28	0.3
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	6	0.3
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	8	0.3
(3,128)	1:48:A:ASP:H	1:48:A:ASP:HB2	12	0.3
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	24	0.3
(3,12)	1:21:A:SER:H	1:20:A:GLY:HA2	3	0.3
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	19	0.3
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	13	0.3
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	13	0.3
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	13	0.3
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	13	0.3
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	13	0.3
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	13	0.3
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	13	0.3
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG3	19	0.3
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	2	0.3
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	24	0.3
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	26	0.3
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	1	0.3
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD11	11	0.3
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	19	0.3
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	23	0.3
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD21	19	0.3
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.3
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.3
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	1	0.3
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	8	0.3
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	11	0.3
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	28	0.3
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	20	0.3
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	25	0.3
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	25	0.3
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	25	0.3
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG3	19	0.3
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	10	0.3
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	10	0.3
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	10	0.3
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	17	0.3
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	17	0.3
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	17	0.3
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	2	0.3
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	24	0.3
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	26	0.3
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	1	0.3
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD11	11	0.3
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD11	18	0.3
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD12	18	0.3
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD13	18	0.3
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.3
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.3
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.3
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.3
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.3
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.3
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	1	0.3
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	8	0.3
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	11	0.3
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	28	0.3
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.3
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB2	6	0.3
(1,13362)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.3
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,13258)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.3
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.3
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.3
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.3
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.3
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.3
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.3
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13080)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.3
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.3
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.3
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.3
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.3
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(1,12021)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.3
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,11743)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.3
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.3
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.3
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	6	0.3
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.3
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB2	6	0.3
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	10	0.3
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	28	0.3
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	17	0.3
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	17	0.3
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	17	0.3
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	17	0.3
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	17	0.3
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	17	0.3
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	17	0.3
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	17	0.3
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	17	0.3
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	19	0.3
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	19	0.3
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	19	0.3
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	19	0.3
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	19	0.3
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	19	0.3
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	19	0.3
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	19	0.3
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.3
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.3
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.3
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.3
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.3
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.3
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.3
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.3
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	14	0.3
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	19	0.3
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(1,9339)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.3
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.3
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.3
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.3
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.3
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.3
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.3
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.3
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	3	0.3
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	16	0.3
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	24	0.3
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	28	0.3
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.3
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.3
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD11	17	0.3
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD12	17	0.3
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD13	17	0.3
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.3
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.3
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	15	0.3
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	11	0.3
(1,6634)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.3
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	12	0.3
(1,6499)	1:57:A:LEU:HG	1:49:A:LEU:HD21	29	0.3
(1,6499)	1:57:A:LEU:HG	1:49:A:LEU:HD22	29	0.3
(1,6499)	1:57:A:LEU:HG	1:49:A:LEU:HD23	29	0.3
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.3
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.3
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.3
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.3
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.3
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.3
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,6342)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.3
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.3
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.3
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	11	0.3
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	4	0.3
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	4	0.3
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	4	0.3
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	4	0.3
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	4	0.3
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	4	0.3
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	4	0.3
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	4	0.3
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	4	0.3
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	13	0.3
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	3	0.3
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	3	0.3
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	17	0.3
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	17	0.3
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	17	0.3
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	26	0.3
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	26	0.3
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	26	0.3
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	3	0.3
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	16	0.3
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	24	0.3
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	28	0.3
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,3663)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.3
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.3
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	21	0.3
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	28	0.3
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:27:A:ARG:H	1:9:A:MET:HG2	10	0.3
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	14	0.3
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	25	0.3
(1,1136)	1:57:A:LEU:HG	1:49:A:LEU:HD21	29	0.3
(1,1136)	1:57:A:LEU:HG	1:49:A:LEU:HD22	29	0.3
(1,1136)	1:57:A:LEU:HG	1:49:A:LEU:HD23	29	0.3
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	3	0.3
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	3	0.3
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	3	0.3
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	23	0.3
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	23	0.3
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	23	0.3
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	11	0.3
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	17	0.3
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	28	0.3
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	23	0.3
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	19	0.3
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	22	0.3
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD3	24	0.3
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB2	14	0.3
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	10	0.29
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	29	0.29
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	10	0.29
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	11	0.29
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	23	0.29
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	6	0.29
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	15	0.29
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	27	0.29
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	15	0.29
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	17	0.29
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	26	0.29
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	13	0.29
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	18	0.29
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	8	0.29
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	1	0.29
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	4	0.29
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	14	0.29
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	20	0.29
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	22	0.29
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	18	0.29
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	11	0.29
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	23	0.29
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	19	0.29
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	27	0.29
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	20	0.29
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	2	0.29
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	11	0.29
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	5	0.29
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	9	0.29
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	19	0.29
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	23	0.29
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	2	0.29
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	2	0.29
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	4	0.29
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	15	0.29
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	22	0.29
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	19	0.29
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	3	0.29
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	6	0.29
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	10	0.29
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	14	0.29
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	25	0.29
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	28	0.29
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	15	0.29
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	23	0.29
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	28	0.29
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	1	0.29
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	4	0.29
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	18	0.29
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	12	0.29
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	9	0.29
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	2	0.29
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	13	0.29
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	18	0.29
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	13	0.29
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	11	0.29
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	15	0.29
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	24	0.29
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	28	0.29
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	5	0.29
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	21	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	27	0.29
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	4	0.29
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	12	0.29
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	14	0.29
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	17	0.29
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	27	0.29
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	29	0.29
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	25	0.29
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	15	0.29
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	27	0.29
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	4	0.29
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	13	0.29
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	18	0.29
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	3	0.29
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	9	0.29
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	21	0.29
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	7	0.29
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	7	0.29
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	29	0.29
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	10	0.29
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	11	0.29
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	18	0.29
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	21	0.29
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	22	0.29
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	27	0.29
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	2	0.29
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	15	0.29
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	25	0.29
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	22	0.29
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	4	0.29
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	15	0.29
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	26	0.29
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	29	0.29
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	2	0.29
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	15	0.29
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	17	0.29
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	15	0.29
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	24	0.29
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	8	0.29
(3,131)	1:86:A:GLY:H	1:85:A:GLY:HA2	14	0.29
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	29	0.29
(3,80)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,925)	1:52:A:LYS:HA	1:54:A:GLY:HA2	17	0.29
(2,842)	1:52:A:LYS:HA	1:54:A:GLY:HA2	17	0.29
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	6	0.29
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	4	0.29
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	10	0.29
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	13	0.29
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	21	0.29
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	25	0.29
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	29	0.29
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	7	0.29
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	18	0.29
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	21	0.29
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	27	0.29
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,15214)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,15214)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,15214)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	21	0.29
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	21	0.29
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	21	0.29
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	26	0.29
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	26	0.29
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	26	0.29
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	4	0.29
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD11	26	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD12	26	0.29
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD13	26	0.29
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.29
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.29
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.29
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	3	0.29
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	12	0.29
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	12	0.29
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	12	0.29
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	12	0.29
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	12	0.29
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	12	0.29
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	12	0.29
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	12	0.29
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	12	0.29
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD22	3	0.29
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD21	26	0.29
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	10	0.29
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	13	0.29
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	21	0.29
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	25	0.29
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	29	0.29
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	29	0.29
(1,13860)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,13860)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,13860)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,13720)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.29
(1,13362)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	5	0.29
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.29
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.29
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.29
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12526)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,12526)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,12526)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,12382)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.29
(1,12021)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	5	0.29
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	29	0.29
(1,11189)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,11189)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,11189)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,11045)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.29
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	29	0.29
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	6	0.29
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	6	0.29
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	6	0.29
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	9	0.29
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	9	0.29
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	9	0.29
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	12	0.29
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.29
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.29
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.29
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	11	0.29
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,9841)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,9841)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,9841)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,9596)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9339)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	5	0.29
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.29
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.29
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.29
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	9	0.29
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	9	0.29
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	9	0.29
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	24	0.29
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	24	0.29
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	24	0.29
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	29	0.29
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	29	0.29
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	29	0.29
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	1	0.29
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	6	0.29
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	14	0.29
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	23	0.29
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	27	0.29
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,8777)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.29
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,8495)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,8495)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,8495)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,8351)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.29
(1,8245)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.29
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	12	0.29
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.29
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	12	0.29
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	12	0.29
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	12	0.29
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	12	0.29
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	12	0.29
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	12	0.29
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	12	0.29
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	12	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	1	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	1	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	1	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	1	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	1	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	1	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	1	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	1	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	1	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	12	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	12	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	12	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	12	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	12	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	12	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	12	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	12	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	12	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	25	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	25	0.29
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	25	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	25	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	25	0.29
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	25	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	25	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	25	0.29
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	25	0.29
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,7138)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,7138)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,7138)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,6995)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.29
(1,6890)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.29
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6672)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	9	0.29
(1,6634)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	5	0.29
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.29
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.29
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.29
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.29
(1,6366)	1:96:A:LYS:HB2	1:94:A:LYS:HD2	9	0.29
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,5792)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,5792)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,5792)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,5650)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.29
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	1	0.29
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	12	0.29
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.29
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	9	0.29
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	9	0.29
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	9	0.29
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	24	0.29
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	24	0.29
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	24	0.29
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	29	0.29
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	29	0.29
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	29	0.29
(1,5026)	1:96:A:LYS:HB2	1:94:A:LYS:HD2	9	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	1	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	1	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	1	0.29
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	1	0.29
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	1	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	1	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	1	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	1	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	12	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	12	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	12	0.29
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	12	0.29
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	12	0.29
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	12	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	12	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	12	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	12	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	25	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	25	0.29
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	25	0.29
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	25	0.29
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	25	0.29
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	25	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	25	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	25	0.29
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	25	0.29
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	1	0.29
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	6	0.29
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	14	0.29
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	23	0.29
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	27	0.29
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,4453)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,4453)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,4453)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	11	0.29
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	26	0.29
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.29
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,3391)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.29
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,3110)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,3110)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,3110)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.29
(1,2644)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	9	0.29
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	6	0.29
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	6	0.29
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	6	0.29
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	9	0.29
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	9	0.29
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	9	0.29
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	1	0.29
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	18	0.29
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	8	0.29
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	9	0.29
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	25	0.29
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.29
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	9	0.29
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	9	0.29
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	9	0.29
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	24	0.29
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	24	0.29
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	24	0.29
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	29	0.29
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	29	0.29
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	29	0.29
(1,2340)	1:96:A:LYS:HB2	1:94:A:LYS:HD2	9	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	1	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	1	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	1	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	1	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	1	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	1	0.29
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	1	0.29
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	1	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	12	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	12	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	12	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	12	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	12	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	12	0.29
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	12	0.29
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	12	0.29
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	12	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	25	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	25	0.29
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	25	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	25	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	25	0.29
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	25	0.29
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	25	0.29
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	25	0.29
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	25	0.29
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	25	0.29
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,1898)	1:58:A:GLN:HE21	1:54:A:GLY:H	14	0.29
(1,1767)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,1767)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,1767)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,1625)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.29
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	5	0.29
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	5	0.29
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	5	0.29
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	6	0.29
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	7	0.29
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	8	0.29
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	27	0.29
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG2	8	0.29
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	14	0.29
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	14	0.29
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	14	0.29
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.29
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE2	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	9	0.29
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	9	0.29
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	9	0.29
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	24	0.29
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	24	0.29
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	24	0.29
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	29	0.29
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	29	0.29
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	29	0.29
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	3	0.29
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	19	0.29
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	25	0.29
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	15	0.29
(1,431)	1:80:A:GLN:HE22	1:18:A:VAL:HG11	25	0.29
(1,431)	1:80:A:GLN:HE22	1:18:A:VAL:HG12	25	0.29
(1,431)	1:80:A:GLN:HE22	1:18:A:VAL:HG13	25	0.29
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	11	0.29
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	26	0.29
(1,192)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.29
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	11	0.28
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	17	0.28
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	21	0.28
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	27	0.28
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	16	0.28
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	27	0.28
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	7	0.28
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	16	0.28
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	10	0.28
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	22	0.28
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	25	0.28
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	13	0.28
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	14	0.28
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	10	0.28
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	19	0.28
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	2	0.28
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	6	0.28
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	11	0.28
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	18	0.28
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	9	0.28
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	23	0.28
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	2	0.28
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	6	0.28
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	21	0.28
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	9	0.28
(3,623)	1:49:A:LEU:H	1:48:A:ASP:HB3	26	0.28
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	4	0.28
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	10	0.28
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	19	0.28
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	22	0.28
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	8	0.28
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	13	0.28
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	16	0.28
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	28	0.28
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	13	0.28
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	8	0.28
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	20	0.28
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	12	0.28
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	24	0.28
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	1	0.28
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	7	0.28
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	6	0.28
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	10	0.28
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	17	0.28
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	29	0.28
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	3	0.28
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	7	0.28
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	21	0.28
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	3	0.28
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	27	0.28
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	1	0.28
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	5	0.28
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	19	0.28
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	24	0.28
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	28	0.28
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	29	0.28
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	1	0.28
(3,534)	1:59:A:LEU:H	1:58:A:GLN:H	14	0.28
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	14	0.28
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	20	0.28
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	8	0.28
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	20	0.28
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	22	0.28
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	28	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	1	0.28
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	4	0.28
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	17	0.28
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	21	0.28
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	28	0.28
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	7	0.28
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	29	0.28
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	16	0.28
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	6	0.28
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	18	0.28
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	29	0.28
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	10	0.28
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	25	0.28
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	20	0.28
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	4	0.28
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	14	0.28
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	20	0.28
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	15	0.28
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	21	0.28
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	12	0.28
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	23	0.28
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	6	0.28
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	2	0.28
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	6	0.28
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	7	0.28
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	1	0.28
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	11	0.28
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	13	0.28
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	18	0.28
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	22	0.28
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	24	0.28
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	27	0.28
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	1	0.28
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	11	0.28
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	16	0.28
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	12	0.28
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	23	0.28
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	16	0.28
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	9	0.28
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	10	0.28
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	23	0.28
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	25	0.28
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	3	0.28
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	9	0.28
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	11	0.28
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	16	0.28
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	27	0.28
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	20	0.28
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	8	0.28
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG3	13	0.28
(1,16029)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	3	0.28
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	8	0.28
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	26	0.28
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD12	3	0.28
(1,15903)	1:22:A:ILE:HG22	1:74:A:LEU:HD11	27	0.28
(1,15838)	1:1:A:ASP:HA	1:2:A:ASP:HB2	29	0.28
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	15	0.28
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.28
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	4	0.28
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	18	0.28
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	19	0.28
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	20	0.28
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	23	0.28
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	27	0.28
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	2	0.28
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	29	0.28
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	7	0.28
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	18	0.28
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG3	13	0.28
(1,14698)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	3	0.28
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	8	0.28
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	26	0.28
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD12	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14570)	1:22:A:ILE:HG22	1:74:A:LEU:HD11	27	0.28
(1,14501)	1:1:A:ASP:HA	1:2:A:ASP:HB2	29	0.28
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	15	0.28
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	16	0.28
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	17	0.28
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	4	0.28
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	18	0.28
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	19	0.28
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	20	0.28
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	23	0.28
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	27	0.28
(1,14210)	1:67:A:SER:H	1:64:A:ASP:HB2	9	0.28
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE2	19	0.28
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.28
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.28
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.28
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,11981)	1:33:A:LEU:HG	1:35:A:LYS:HA	24	0.28
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.28
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	17	0.28
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	17	0.28
(1,11818)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	17	0.28
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.28
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.28
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.28
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	3	0.28
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	27	0.28
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.28
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	3	0.28
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	26	0.28
(1,9146)	1:2:A:ASP:HB2	1:1:A:ASP:HA	29	0.28
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	17	0.28
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	17	0.28
(1,9132)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	17	0.28
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	7	0.28
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	7	0.28
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	6	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	2	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	5	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	8	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	9	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	11	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	15	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	18	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	22	0.28
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	26	0.28
(1,8977)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	26	0.28
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.28
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	9	0.28
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.28
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.28
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.28
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	17	0.28
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	17	0.28
(1,7771)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	17	0.28
(1,7757)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.28
(1,7757)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.28
(1,7757)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.28
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	6	0.28
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	6	0.28
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	6	0.28
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	6	0.28
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	6	0.28
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	6	0.28
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	6	0.28
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	6	0.28
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	6	0.28
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	15	0.28
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	15	0.28
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	15	0.28
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	15	0.28
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	15	0.28
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	15	0.28
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	15	0.28
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	15	0.28
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD2	16	0.28
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.28
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.28
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.28
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.28
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.28
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.28
(1,6267)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	26	0.28
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.28
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.28
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	27	0.28
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	11	0.28
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	11	0.28
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	11	0.28
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD3	14	0.28
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	5	0.28
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	5	0.28
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	5	0.28
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	5	0.28
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	5	0.28
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	5	0.28
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	5	0.28
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	5	0.28
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	5	0.28
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	26	0.28
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	26	0.28
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	26	0.28
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	26	0.28
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	26	0.28
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	26	0.28
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	26	0.28
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	26	0.28
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	26	0.28
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.28
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.28
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.28
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.28
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.28
(1,5094)	1:2:A:ASP:HB2	1:1:A:ASP:HA	29	0.28
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	17	0.28
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	17	0.28
(1,5080)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	17	0.28
(1,5066)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.28
(1,5066)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.28
(1,5066)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.28
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	7	0.28
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	7	0.28
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	7	0.28
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	6	0.28
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	6	0.28
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	6	0.28
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	6	0.28
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	6	0.28
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	6	0.28
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	6	0.28
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	6	0.28
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	6	0.28
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	15	0.28
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	15	0.28
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	15	0.28
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	15	0.28
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	15	0.28
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	15	0.28
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	15	0.28
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	15	0.28
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	15	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	2	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	5	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	8	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	9	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	11	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	15	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	18	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	22	0.28
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	26	0.28
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE2	19	0.28
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.28
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.28
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,4361)	1:69:A:VAL:H	1:64:A:ASP:HB2	15	0.28
(1,4133)	1:66:A:ALA:H	1:65:A:ARG:HB2	27	0.28
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	27	0.28
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	11	0.28
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	11	0.28
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	11	0.28
(1,3914)	1:33:A:LEU:HG	1:35:A:LYS:HA	24	0.28
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.28
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.28
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.28
(1,3755)	1:2:A:ASP:HB2	1:1:A:ASP:HA	29	0.28
(1,3587)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	26	0.28
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	11	0.28
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	11	0.28
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	11	0.28
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD3	14	0.28
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	9	0.28
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.28
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.28
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.28
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.28
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.28
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.28
(1,2411)	1:2:A:ASP:HB2	1:1:A:ASP:HA	29	0.28
(1,2380)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.28
(1,2380)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.28
(1,2380)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.28
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	7	0.28
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	7	0.28
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	7	0.28
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	6	0.28
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	6	0.28
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	6	0.28
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	6	0.28
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	6	0.28
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	6	0.28
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	6	0.28
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	6	0.28
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	15	0.28
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	15	0.28
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	15	0.28
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	15	0.28
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	15	0.28
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	15	0.28
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	15	0.28
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	15	0.28
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	15	0.28
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.28
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.28
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,1443)	1:66:A:ALA:H	1:65:A:ARG:HB2	27	0.28
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	27	0.28
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	11	0.28
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	11	0.28
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	11	0.28
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD3	14	0.28
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.28
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.28
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.28
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.28
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.28
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.28
(1,1072)	1:2:A:ASP:HB2	1:1:A:ASP:HA	29	0.28
(1,1043)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.28
(1,1043)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.28
(1,1043)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.28
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	7	0.28
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	7	0.28
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	7	0.28
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	9	0.28
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	20	0.28
(1,693)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	20	0.28
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	22	0.28
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB2	19	0.28
(1,339)	1:69:A:VAL:H	1:64:A:ASP:HB2	15	0.28
(1,114)	1:66:A:ALA:H	1:65:A:ARG:HB2	27	0.28
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	5	0.27
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	14	0.27
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	29	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	12	0.27
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	4	0.27
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	8	0.27
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	20	0.27
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	23	0.27
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	29	0.27
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	5	0.27
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	6	0.27
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	24	0.27
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	17	0.27
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	20	0.27
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	11	0.27
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	14	0.27
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	15	0.27
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	16	0.27
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	3	0.27
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	19	0.27
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	21	0.27
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	3	0.27
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	27	0.27
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	29	0.27
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	19	0.27
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	27	0.27
(3,623)	1:49:A:LEU:H	1:48:A:ASP:HB3	4	0.27
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	8	0.27
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	21	0.27
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	24	0.27
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	25	0.27
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	4	0.27
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	10	0.27
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	11	0.27
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	22	0.27
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	17	0.27
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	6	0.27
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	12	0.27
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	19	0.27
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	24	0.27
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	6	0.27
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	19	0.27
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	24	0.27
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	7	0.27
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	14	0.27
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	18	0.27
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	21	0.27
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	22	0.27
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	27	0.27
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	4	0.27
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	6	0.27
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	18	0.27
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	22	0.27
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	22	0.27
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	20	0.27
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	12	0.27
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	10	0.27
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	13	0.27
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	27	0.27
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	24	0.27
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	26	0.27
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	8	0.27
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	18	0.27
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	19	0.27
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	21	0.27
(3,513)	1:39:A:VAL:H	1:40:A:LYS:H	28	0.27
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	17	0.27
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	2	0.27
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	11	0.27
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	13	0.27
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	16	0.27
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	2	0.27
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	5	0.27
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	10	0.27
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	21	0.27
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	5	0.27
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	10	0.27
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	14	0.27
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	16	0.27
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	17	0.27
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	11	0.27
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	21	0.27
(3,453)	1:40:A:LYS:H	1:39:A:VAL:HB	26	0.27
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	5	0.27
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	7	0.27
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	1	0.27
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	13	0.27
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	15	0.27
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	23	0.27
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	28	0.27
(3,387)	1:77:A:THR:H	1:76:A:ILE:H	29	0.27
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	9	0.27
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	8	0.27
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	18	0.27
(3,333)	1:16:A:VAL:H	1:16:A:VAL:HB	24	0.27
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	20	0.27
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	3	0.27
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	4	0.27
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	11	0.27
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	3	0.27
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	26	0.27
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	4	0.27
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	5	0.27
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	6	0.27
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	15	0.27
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	9	0.27
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	2	0.27
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	1	0.27
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	18	0.27
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	29	0.27
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	9	0.27
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	4	0.27
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	14	0.27
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	17	0.27
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	28	0.27
(3,123)	1:13:A:ASP:H	1:13:A:ASP:HB3	23	0.27
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	20	0.27
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	20	0.27
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	20	0.27
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	5	0.27
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	9	0.27
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	16	0.27
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	17	0.27
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	26	0.27
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.27
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.27
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.27
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	6	0.27
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	16	0.27
(1,15556)	1:67:A:SER:H	1:64:A:ASP:HB2	21	0.27
(1,15497)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.27
(1,15445)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,15442)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG3	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.27
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	11	0.27
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	11	0.27
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	11	0.27
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.27
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.27
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.27
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	9	0.27
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	16	0.27
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	17	0.27
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	26	0.27
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.27
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.27
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.27
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.27
(1,14095)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,14092)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.27
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.27
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.27
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	5	0.27
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.27
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.27
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.27
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.27
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG21	11	0.27
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG22	11	0.27
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG23	11	0.27
(1,12810)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.27
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.27
(1,12758)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,12755)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	2	0.27
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	2	0.27
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	2	0.27
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	4	0.27
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	4	0.27
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	4	0.27
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,11817)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.27
(1,11787)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.27
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	5	0.27
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG21	11	0.27
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG22	11	0.27
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG23	11	0.27
(1,11476)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.27
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.27
(1,11423)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,11420)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD11	26	0.27
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD12	26	0.27
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD13	26	0.27
(1,10891)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.27
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	15	0.27
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.27
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD11	5	0.27
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD12	5	0.27
(1,10688)	1:93:A:THR:HB	1:33:A:LEU:HD13	5	0.27
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	1	0.27
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	1	0.27
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	1	0.27
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	1	0.27
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	1	0.27
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	1	0.27
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	1	0.27
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	1	0.27
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	1	0.27
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.27
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.27
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.27
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.27
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.27
(1,10200)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.27
(1,10126)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.27
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	25	0.27
(1,10072)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,10070)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,9550)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.27
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	26	0.27
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,9131)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.27
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.27
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.27
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	5	0.27
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	7	0.27
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	19	0.27
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.27
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.27
(1,8837)	1:67:A:SER:H	1:64:A:ASP:HB2	21	0.27
(1,8723)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,8721)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	21	0.27
(1,8124)	1:2:A:ASP:H	1:2:A:ASP:HB2	29	0.27
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	22	0.27
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	22	0.27
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	22	0.27
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,7917)	1:57:A:LEU:HG	1:49:A:LEU:HB2	24	0.27
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.27
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.27
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.27
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.27
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.27
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.27
(1,7738)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.27
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.27
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.27
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.27
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.27
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.27
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.27
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.27
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.27
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.27
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.27
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.27
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.27
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.27
(1,7372)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,7369)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,7209)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.27
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,6842)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.27
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	16	0.27
(1,6770)	1:2:A:ASP:H	1:2:A:ASP:HB2	29	0.27
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	12	0.27
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	12	0.27
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	12	0.27
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.27
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.27
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.27
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.27
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.27
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.27
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.27
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.27
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.27
(1,6133)	1:67:A:SER:H	1:64:A:ASP:HB2	21	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6074)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.27
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.27
(1,6020)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,6017)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,5470)	1:86:A:GLY:H	1:85:A:GLY:HA2	14	0.27
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	16	0.27
(1,5430)	1:2:A:ASP:H	1:2:A:ASP:HB2	8	0.27
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	12	0.27
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	6	0.27
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	6	0.27
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	6	0.27
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	6	0.27
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	6	0.27
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	6	0.27
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	6	0.27
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	6	0.27
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	6	0.27
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	23	0.27
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	23	0.27
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	23	0.27
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	28	0.27
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	28	0.27
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	28	0.27
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.27
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.27
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.27
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.27
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.27
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.27
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.27
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.27
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.27
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.27
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.27
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.27
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.27
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.27
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	7	0.27
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	19	0.27
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.27
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.27
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.27
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.27
(1,4683)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,4681)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,4092)	1:2:A:ASP:H	1:2:A:ASP:HB2	29	0.27
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	6	0.27
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	6	0.27
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	6	0.27
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	6	0.27
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	6	0.27
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	6	0.27
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	6	0.27
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	6	0.27
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	6	0.27
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.27
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.27
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.27
(1,3449)	1:67:A:SER:H	1:64:A:ASP:HB2	21	0.27
(1,3339)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,3336)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3179)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.27
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.27
(1,2781)	1:86:A:GLY:H	1:85:A:GLY:HA2	14	0.27
(1,2743)	1:2:A:ASP:H	1:2:A:ASP:HB2	29	0.27
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.27
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.27
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.27
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.27
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.27
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.27
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.27
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.27
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.27
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.27
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.27
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.27
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.27
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.27
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.27
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.27
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.27
(1,1996)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,1993)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	11	0.27
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	3	0.27
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	5	0.27
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	17	0.27
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	26	0.27
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	6	0.27
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	6	0.27
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.27
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.27
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.27
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.27
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.27
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.27
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	28	0.27
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	5	0.27
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	14	0.27
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	16	0.27
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	21	0.27
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	3	0.27
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	17	0.27
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	27	0.27
(1,658)	1:58:A:GLN:HE22	1:77:A:THR:HB	11	0.27
(1,655)	1:88:A:ARG:H	1:40:A:LYS:HD2	7	0.27
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB2	12	0.27
(1,75)	1:2:A:ASP:H	1:2:A:ASP:HB2	8	0.27
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	12	0.26
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	15	0.26
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	19	0.26
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	22	0.26
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	8	0.26
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	28	0.26
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	4	0.26
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	5	0.26
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	26	0.26
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	5	0.26
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	7	0.26
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	19	0.26
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	11	0.26
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	21	0.26
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	17	0.26
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	21	0.26
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	27	0.26
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	27	0.26
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	7	0.26
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	13	0.26
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	23	0.26
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	29	0.26
(3,623)	1:49:A:LEU:H	1:48:A:ASP:HB3	25	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	2	0.26
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	6	0.26
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	12	0.26
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	14	0.26
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	1	0.26
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	5	0.26
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	28	0.26
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	7	0.26
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	17	0.26
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	18	0.26
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	23	0.26
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	24	0.26
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	12	0.26
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	15	0.26
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	12	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	2	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	4	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	8	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	16	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	19	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	20	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	23	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	24	0.26
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	25	0.26
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	5	0.26
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	9	0.26
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	10	0.26
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	26	0.26
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	6	0.26
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	7	0.26
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	10	0.26
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	25	0.26
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	8	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	3	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	6	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	8	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	11	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	12	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	18	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	21	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	23	0.26
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	26	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	15	0.26
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	20	0.26
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	1	0.26
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	11	0.26
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	7	0.26
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	26	0.26
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	21	0.26
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	10	0.26
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	18	0.26
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	24	0.26
(3,493)	1:71:A:LEU:H	1:72:A:PHE:H	8	0.26
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	25	0.26
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	5	0.26
(3,481)	1:95:A:ASP:H	1:94:A:LYS:HB3	11	0.26
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	14	0.26
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	1	0.26
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	8	0.26
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	14	0.26
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	15	0.26
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	19	0.26
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	20	0.26
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	28	0.26
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	1	0.26
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	19	0.26
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	20	0.26
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	22	0.26
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	2	0.26
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	3	0.26
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	10	0.26
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	12	0.26
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	21	0.26
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	26	0.26
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	11	0.26
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	5	0.26
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	2	0.26
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	5	0.26
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	24	0.26
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	7	0.26
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	1	0.26
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	9	0.26
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	13	0.26
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	22	0.26
(3,323)	1:61:A:ASP:H	1:61:A:ASP:HB3	14	0.26
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	1	0.26
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	4	0.26
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	19	0.26
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	20	0.26
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	23	0.26
(3,271)	1:1:A:ASP:H	1:1:A:ASP:HB2	4	0.26
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	8	0.26
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	13	0.26
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	19	0.26
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	1	0.26
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	2	0.26
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	16	0.26
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	20	0.26
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	26	0.26
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	29	0.26
(3,241)	1:22:A:ILE:H	1:21:A:SER:HB2	25	0.26
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	12	0.26
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	8	0.26
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	10	0.26
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	26	0.26
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	5	0.26
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	18	0.26
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	7	0.26
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	20	0.26
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	4	0.26
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	5	0.26
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	18	0.26
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	4	0.26
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	1	0.26
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	2	0.26
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	13	0.26
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	18	0.26
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	29	0.26
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	22	0.26
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	11	0.26
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	3	0.26
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	29	0.26
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	10	0.26
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	23	0.26
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	25	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	10	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	10	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	10	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	10	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	10	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	10	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	10	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	10	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	10	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	11	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	11	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	11	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	11	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	11	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	11	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	11	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	11	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	11	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	14	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	14	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	14	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	14	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	14	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	14	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	14	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	14	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	14	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	16	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	16	0.26
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	16	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	16	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	16	0.26
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	16	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	16	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	16	0.26
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	16	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	10	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	10	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	10	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	10	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	10	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	10	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	10	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	10	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	11	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	11	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	11	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	11	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	11	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	11	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	11	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	11	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	11	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	14	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	14	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	14	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	14	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	14	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	14	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	14	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	14	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	14	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	16	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	16	0.26
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	16	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	16	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	16	0.26
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	16	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	16	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	16	0.26
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	16	0.26
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	5	0.26
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	5	0.26
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15903)	1:22:A:ILE:HG23	1:74:A:LEU:HD12	7	0.26
(1,15803)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	29	0.26
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	14	0.26
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	15	0.26
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.26
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	14	0.26
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.26
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.26
(1,15623)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.26
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	5	0.26
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	10	0.26
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	24	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	3	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	3	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	3	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	4	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	4	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	4	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	16	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	16	0.26
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	16	0.26
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	7	0.26
(1,14570)	1:22:A:ILE:HG23	1:74:A:LEU:HD12	7	0.26
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	14	0.26
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.26
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.26
(1,14285)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.26
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	15	0.26
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.26
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.26
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12944)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.26
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG21	7	0.26
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG22	7	0.26
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG23	7	0.26
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.26
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	15	0.26
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.26
(1,11670)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	17	0.26
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG21	7	0.26
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG22	7	0.26
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG23	7	0.26
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.26
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD11	13	0.26
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD12	13	0.26
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD13	13	0.26
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	4	0.26
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	24	0.26
(1,10617)	1:57:A:LEU:HG	1:49:A:LEU:HB2	26	0.26
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	14	0.26
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	14	0.26
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	14	0.26
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	14	0.26
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	14	0.26
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	14	0.26
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	14	0.26
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	14	0.26
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	14	0.26
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	12	0.26
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	12	0.26
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	12	0.26
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	12	0.26
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	12	0.26
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	12	0.26
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	12	0.26
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	12	0.26
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	7	0.26
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	28	0.26
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,10322)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	6	0.26
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,10124)	1:49:A:LEU:H	1:59:A:LEU:HB2	2	0.26
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,9596)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.26
(1,9596)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.26
(1,9276)	1:57:A:LEU:HG	1:49:A:LEU:HB2	26	0.26
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	12	0.26
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	12	0.26
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	12	0.26
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	12	0.26
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	12	0.26
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	12	0.26
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	12	0.26
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	12	0.26
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	12	0.26
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,9097)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	29	0.26
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	15	0.26
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	18	0.26
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	10	0.26
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	17	0.26
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	20	0.26
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	21	0.26
(1,8977)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.26
(1,8977)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.26
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,8875)	1:73:A:GLU:H	1:61:A:ASP:HB2	24	0.26
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,8245)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.26
(1,8245)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.26
(1,8124)	1:2:A:ASP:H	1:2:A:ASP:HB2	25	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.26
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.26
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.26
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.26
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	12	0.26
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	12	0.26
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	12	0.26
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	12	0.26
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	12	0.26
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	12	0.26
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	12	0.26
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	12	0.26
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	12	0.26
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	7	0.26
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	28	0.26
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	2	0.26
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	2	0.26
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	2	0.26
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	2	0.26
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	2	0.26
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	2	0.26
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	2	0.26
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	2	0.26
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	2	0.26
(1,7618)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	6	0.26
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.26
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.26
(1,7557)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.26
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,6890)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.26
(1,6890)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.26
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	6	0.26
(1,6770)	1:2:A:ASP:H	1:2:A:ASP:HB2	25	0.26
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	12	0.26
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	12	0.26
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	12	0.26
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	12	0.26
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	12	0.26
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	12	0.26
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	12	0.26
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	12	0.26
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,6267)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.26
(1,6267)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.26
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.26
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.26
(1,6210)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.26
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.26
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	6	0.26
(1,5268)	1:50:A:SER:HB2	1:52:A:LYS:HD2	22	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	2	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	2	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	2	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	2	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	2	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	2	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	2	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	2	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	2	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	13	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	13	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	13	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	13	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	13	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	13	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	13	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	13	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	13	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	15	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	15	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	15	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	15	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	15	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	15	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	15	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	15	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	24	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	24	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	24	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	24	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	24	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	24	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	24	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	24	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	24	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	25	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	25	0.26
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	25	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	25	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	25	0.26
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	25	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	25	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	25	0.26
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	25	0.26
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	12	0.26
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	12	0.26
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	12	0.26
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	12	0.26
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	12	0.26
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	12	0.26
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	12	0.26
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	12	0.26
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	12	0.26
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	7	0.26
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	28	0.26
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	2	0.26
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	2	0.26
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	2	0.26
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	2	0.26
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	2	0.26
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	2	0.26
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	2	0.26
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	2	0.26
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	10	0.26
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	10	0.26
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	10	0.26
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	10	0.26
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	17	0.26
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	20	0.26
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	21	0.26
(1,4928)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	6	0.26
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.26
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.26
(1,4869)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.26
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.26
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,4092)	1:2:A:ASP:H	1:2:A:ASP:HB2	25	0.26
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	12	0.26
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	12	0.26
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	12	0.26
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	12	0.26
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	12	0.26
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	12	0.26
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	12	0.26
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	12	0.26
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	12	0.26
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	17	0.26
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	17	0.26
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	17	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	17	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	17	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	17	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	17	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	17	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	17	0.26
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	19	0.26
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	19	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	19	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	19	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	19	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	19	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	19	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	19	0.26
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	29	0.26
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	29	0.26
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	29	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	29	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	29	0.26
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	29	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	29	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	29	0.26
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	29	0.26
(1,3587)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.26
(1,3587)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.26
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.26
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.26
(1,3527)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.26
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.26
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.26
(1,2743)	1:2:A:ASP:H	1:2:A:ASP:HB2	25	0.26
(1,2578)	1:50:A:SER:HB2	1:52:A:LYS:HD2	22	0.26
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	10	0.26
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	18	0.26
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	19	0.26
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	12	0.26
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	12	0.26
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	12	0.26
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	12	0.26
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	12	0.26
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	12	0.26
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	12	0.26
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	12	0.26
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	12	0.26
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,2360)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	29	0.26
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	2	0.26
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	2	0.26
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	2	0.26
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	2	0.26
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	2	0.26
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	2	0.26
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	2	0.26
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	2	0.26
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	2	0.26
(1,2242)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	6	0.26
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,2179)	1:101:A:ASN:H	1:100:A:SER:HB2	21	0.26
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.26
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	12	0.26
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	12	0.26
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	12	0.26
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	21	0.26
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	21	0.26
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	21	0.26
(1,1238)	1:50:A:SER:HB2	1:52:A:LYS:HD2	22	0.26
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	21	0.26
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	23	0.26
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	12	0.26
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	12	0.26
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	12	0.26
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	12	0.26
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	12	0.26
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	12	0.26
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	12	0.26
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	12	0.26
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	12	0.26
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	11	0.26
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	11	0.26
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	11	0.26
(1,1096)	1:49:A:LEU:HG	1:43:A:LYS:HB2	29	0.26
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	28	0.26
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	23	0.26
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB2	18	0.26
(1,192)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.26
(1,192)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.26
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	6	0.25
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	7	0.25
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	3	0.25
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	22	0.25
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	6	0.25
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	11	0.25
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	2	0.25
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	3	0.25
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	8	0.25
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	21	0.25
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	28	0.25
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	1	0.25
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	14	0.25
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	17	0.25
(3,697)	1:57:A:LEU:H	1:58:A:GLN:H	8	0.25
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	29	0.25
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	7	0.25
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	8	0.25
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	7	0.25
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	13	0.25
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	23	0.25
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	1	0.25
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	5	0.25
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	9	0.25
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	28	0.25
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	7	0.25
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	20	0.25
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	21	0.25
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	17	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	1	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	2	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	3	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	6	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	9	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	10	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	20	0.25
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	26	0.25
(3,609)	1:44:A:GLY:H	1:43:A:LYS:HB2	9	0.25
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	15	0.25
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	8	0.25
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	13	0.25
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	16	0.25
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	13	0.25
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	26	0.25
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	28	0.25
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	15	0.25
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	5	0.25
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	9	0.25
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	18	0.25
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	13	0.25
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	21	0.25
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	22	0.25
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	9	0.25
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	7	0.25
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	16	0.25
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	20	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	5	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	8	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	13	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	14	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	16	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	18	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	22	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	24	0.25
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	29	0.25
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	20	0.25
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	10	0.25
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	5	0.25
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	22	0.25
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	3	0.25
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	7	0.25
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	15	0.25
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	22	0.25
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	21	0.25
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	14	0.25
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	3	0.25
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	4	0.25
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	21	0.25
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	22	0.25
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	24	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	25	0.25
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	8	0.25
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	9	0.25
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	21	0.25
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	4	0.25
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	29	0.25
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	5	0.25
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	1	0.25
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	17	0.25
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	26	0.25
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	29	0.25
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	2	0.25
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	5	0.25
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	9	0.25
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	10	0.25
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	16	0.25
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	17	0.25
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	21	0.25
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	29	0.25
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	23	0.25
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	25	0.25
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	18	0.25
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	5	0.25
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	10	0.25
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	12	0.25
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	23	0.25
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	28	0.25
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	18	0.25
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	22	0.25
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	15	0.25
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	27	0.25
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	19	0.25
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	12	0.25
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	19	0.25
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	3	0.25
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	6	0.25
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	7	0.25
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	22	0.25
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	27	0.25
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	9	0.25
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	21	0.25
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	26	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	28	0.25
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	3	0.25
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	5	0.25
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	14	0.25
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	12	0.25
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	29	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	1	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	1	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	1	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	1	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	1	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	1	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	1	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	1	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	1	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	3	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	3	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	3	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	3	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	3	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	3	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	3	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	3	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	3	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	4	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	4	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	4	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	4	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	4	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	4	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	4	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	4	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	4	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	7	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	7	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	7	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	7	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	7	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	7	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	7	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	7	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	8	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	8	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	8	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	8	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	8	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	8	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	8	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	8	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	8	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	21	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	21	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	21	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	21	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	21	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	21	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	21	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	21	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	21	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	22	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	22	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	22	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	22	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	22	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	22	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	22	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	22	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	22	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	25	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	25	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	25	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	25	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	25	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	25	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	25	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	25	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	25	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	27	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	27	0.25
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	27	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	27	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	27	0.25
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	27	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	27	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	27	0.25
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	27	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	1	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	1	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	1	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	1	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	1	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	1	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	1	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	1	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	1	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	3	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	3	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	3	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	3	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	3	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	3	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	3	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	3	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	3	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	4	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	4	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	4	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	4	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	4	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	4	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	4	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	4	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	4	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	7	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	7	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	7	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	7	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	7	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	7	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	7	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	7	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	7	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	8	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	8	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	8	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	8	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	8	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	8	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	8	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	8	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	21	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	21	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	21	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	21	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	21	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	21	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	21	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	21	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	21	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	22	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	22	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	22	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	22	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	22	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	22	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	22	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	22	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	22	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	25	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	25	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	25	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	25	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	25	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	25	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	25	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	25	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	25	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	27	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	27	0.25
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	27	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	27	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	27	0.25
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	27	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	27	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	27	0.25
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	27	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	27	0.25
(1,16027)	1:13:A:ASP:HA	1:102:A:PHE:HB2	29	0.25
(1,16015)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	7	0.25
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD11	15	0.25
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	22	0.25
(1,15881)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.25
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	11	0.25
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	26	0.25
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	3	0.25
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	3	0.25
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	3	0.25
(1,15803)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	21	0.25
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD22	8	0.25
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD21	20	0.25
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	21	0.25
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,15635)	1:40:A:LYS:HA	1:40:A:LYS:HG3	12	0.25
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	13	0.25
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	24	0.25
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	8	0.25
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	8	0.25
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	8	0.25
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,14952)	1:96:A:LYS:H	1:96:A:LYS:HG2	17	0.25
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	19	0.25
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	19	0.25
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	19	0.25
(1,14745)	1:81:A:PRO:HA	1:80:A:GLN:HG2	21	0.25
(1,14684)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD11	15	0.25
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	22	0.25
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD11	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD12	17	0.25
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD13	17	0.25
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.25
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.25
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.25
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.25
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.25
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.25
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	6	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	6	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	6	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	6	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	6	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	6	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	6	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	6	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	6	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	7	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	7	0.25
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	7	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	7	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	7	0.25
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	7	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	7	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	7	0.25
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	7	0.25
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	10	0.25
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	29	0.25
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	21	0.25
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	29	0.25
(1,14297)	1:40:A:LYS:HA	1:40:A:LYS:HG3	12	0.25
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.25
(1,13756)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.25
(1,13570)	1:4:A:ILE:H	1:5:A:GLY:HA2	22	0.25
(1,13346)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.25
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.25
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.25
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.25
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.25
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.25
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.25
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.25
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.25
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.25
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.25
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.25
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.25
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.25
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.25
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.25
(1,12874)	1:83:A:PHE:H	1:80:A:GLN:HG3	5	0.25
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.25
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.25
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.25
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(1,12005)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,11830)	1:2:A:ASP:HB2	1:1:A:ASP:HA	12	0.25
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.25
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.25
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.25
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	22	0.25
(1,11081)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.25
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	18	0.25
(1,10667)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	6	0.25
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	6	0.25
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	6	0.25
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	6	0.25
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	6	0.25
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	6	0.25
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	6	0.25
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	6	0.25
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	6	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	2	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	2	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	2	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	2	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	2	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	2	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	2	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	2	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	2	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	5	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	5	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	5	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	5	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	5	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	5	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	5	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	5	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	5	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	6	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	6	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	6	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	6	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	6	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	6	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	6	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	6	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	28	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	28	0.25
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	28	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	28	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	28	0.25
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	28	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	28	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	28	0.25
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	28	0.25
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	1	0.25
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.25
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.25
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.25
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.25
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.25
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.25
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.25
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.25
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.25
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.25
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.25
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.25
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.25
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.25
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.25
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,10360)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.25
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.25
(1,10188)	1:83:A:PHE:H	1:80:A:GLN:HG3	5	0.25
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(1,9324)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	2	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	2	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	2	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	2	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	2	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	2	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	2	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	2	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	2	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	5	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	5	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	5	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	5	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	5	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	5	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	5	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	5	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	5	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	6	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	6	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	6	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	6	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	6	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	6	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	6	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	6	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	6	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	28	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	28	0.25
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	28	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	28	0.25
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	28	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	28	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	28	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	28	0.25
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	28	0.25
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.25
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.25
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.25
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.25
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.25
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.25
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.25
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.25
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.25
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.25
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.25
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.25
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.25
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.25
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.25
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,9097)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	21	0.25
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	4	0.25
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.25
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.25
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	15	0.25
(1,7972)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	2	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	2	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	2	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	2	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	2	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	2	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	2	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	2	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	5	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	5	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	5	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	5	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	5	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	5	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	5	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	5	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	5	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	6	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	6	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	6	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	6	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	6	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	6	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	6	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	6	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	6	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	28	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	28	0.25
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	28	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	28	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	28	0.25
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	28	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	28	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	28	0.25
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	28	0.25
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	1	0.25
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,7831)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.25
(1,7785)	1:2:A:ASP:HB2	1:1:A:ASP:HA	12	0.25
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	6	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	6	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	6	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	6	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	6	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	6	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	6	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	6	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	6	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	7	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	7	0.25
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	7	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	7	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	7	0.25
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	7	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	7	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	7	0.25
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	7	0.25
(1,7656)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.25
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	27	0.25
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	27	0.25
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	27	0.25
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	27	0.25
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	27	0.25
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	27	0.25
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	27	0.25
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	27	0.25
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	27	0.25
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	28	0.25
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	28	0.25
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	28	0.25
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	28	0.25
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	28	0.25
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	28	0.25
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	28	0.25
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	28	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	28	0.25
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,7516)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.25
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD2	28	0.25
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(1,7034)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.25
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	13	0.25
(1,6619)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.25
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.25
(1,6530)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	2	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	2	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	2	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	2	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	2	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	2	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	2	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	2	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	2	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	5	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	5	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	5	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	5	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	5	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	5	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	5	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	5	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	5	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	6	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	6	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	6	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	6	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	6	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	6	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	6	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	6	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	6	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	28	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	28	0.25
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	28	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	28	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	28	0.25
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	28	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	28	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	28	0.25
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	28	0.25
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.25
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.25
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.25
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.25
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.25
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.25
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.25
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.25
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.25
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.25
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.25
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.25
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.25
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.25
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.25
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.25
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,6306)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.25
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	22	0.25
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.25
(1,6137)	1:83:A:PHE:H	1:80:A:GLN:HG3	5	0.25
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.25
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.25
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(1,5688)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.25
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	13	0.25
(1,5281)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	4	0.25
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	29	0.25
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.25
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.25
(1,5187)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.25
(1,5185)	1:59:A:LEU:HD11	1:43:A:LYS:HB2	29	0.25
(1,5185)	1:59:A:LEU:HD12	1:43:A:LYS:HB2	29	0.25
(1,5185)	1:59:A:LEU:HD13	1:43:A:LYS:HB2	29	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	2	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	2	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	2	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	2	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	2	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	2	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	2	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	2	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	2	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	5	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	5	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	5	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	5	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	5	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	5	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	5	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	5	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	5	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	6	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	6	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	6	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	6	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	6	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	6	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	6	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	6	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	28	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	28	0.25
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	28	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	28	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	28	0.25
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	28	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	28	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	28	0.25
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	28	0.25
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	1	0.25
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,5137)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.25
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.25
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,4967)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.25
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	27	0.25
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	27	0.25
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	27	0.25
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	27	0.25
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	27	0.25
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	27	0.25
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	27	0.25
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	27	0.25
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	27	0.25
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	28	0.25
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	28	0.25
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	28	0.25
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	28	0.25
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	28	0.25
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	28	0.25
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	28	0.25
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	28	0.25
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	28	0.25
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,4832)	1:66:A:ALA:H	1:65:A:ARG:HD2	26	0.25
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.25
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.25
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.25
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(1,4352)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.25
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	15	0.25
(1,3953)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.25
(1,3938)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	2	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	2	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	2	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	2	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	2	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	2	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	2	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	2	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	2	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	5	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	5	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	5	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	5	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	5	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	5	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	5	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	5	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	5	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	6	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	6	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	6	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	6	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	6	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	6	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	6	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	6	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	6	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	28	0.25
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	28	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	28	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	28	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	28	0.25
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	28	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	28	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	28	0.25
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	28	0.25
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,3799)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.25
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.25
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	5	0.25
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	5	0.25
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	5	0.25
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	5	0.25
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	5	0.25
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	5	0.25
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	5	0.25
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	5	0.25
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	5	0.25
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	11	0.25
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	11	0.25
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	11	0.25
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	11	0.25
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	11	0.25
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	11	0.25
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	11	0.25
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	11	0.25
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	11	0.25
(1,3625)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.25
(1,3550)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	14	0.25
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,3489)	1:66:A:ALA:H	1:65:A:ARG:HD2	26	0.25
(1,3453)	1:83:A:PHE:H	1:80:A:GLN:HG3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.25
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.25
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.25
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.25
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.25
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	19	0.25
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	19	0.25
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	19	0.25
(1,2591)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	15	0.25
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	29	0.25
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.25
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.25
(1,2506)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	2	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	2	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	2	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	2	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	2	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	2	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	2	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	2	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	2	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	5	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	5	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	5	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	5	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	5	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	5	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	5	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	5	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	5	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	6	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	6	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	6	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	6	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	6	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	6	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	6	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	6	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	28	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	28	0.25
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	28	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	28	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	28	0.25
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	28	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	28	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	28	0.25
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	28	0.25
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,2455)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.25
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.25
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.25
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.25
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.25
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.25
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.25
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.25
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.25
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.25
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.25
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,2360)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	21	0.25
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	27	0.25
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	27	0.25
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	27	0.25
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	27	0.25
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	27	0.25
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	27	0.25
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	27	0.25
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	27	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	27	0.25
(1,2280)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.25
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	27	0.25
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	27	0.25
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	27	0.25
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	27	0.25
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	27	0.25
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	27	0.25
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	27	0.25
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	27	0.25
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	27	0.25
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	28	0.25
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	28	0.25
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	28	0.25
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	28	0.25
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	28	0.25
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	28	0.25
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	28	0.25
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	28	0.25
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	28	0.25
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,2179)	1:101:A:ASN:H	1:100:A:SER:HB2	26	0.25
(1,2144)	1:66:A:ALA:H	1:65:A:ARG:HD2	26	0.25
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.25
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.25
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.25
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	15	0.25
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	15	0.25
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	15	0.25
(1,1324)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.25
(1,1324)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.25
(1,1251)	1:80:A:GLN:HG3	1:106:A:VAL:HB	28	0.25
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	3	0.25
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.25
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.25
(1,1166)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	2	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	2	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	2	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	2	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	2	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	2	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	2	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	2	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	5	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	5	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	5	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	5	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	5	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	5	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	5	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	5	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	5	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	6	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	6	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	6	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	6	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	6	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	6	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	6	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	6	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	6	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	28	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	28	0.25
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	28	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	28	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	28	0.25
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	28	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	28	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	28	0.25
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	28	0.25
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	25	0.25
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	25	0.25
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	25	0.25
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	29	0.25
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	29	0.25
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	29	0.25
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.25
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.25
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.25
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.25
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.25
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.25
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.25
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.25
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.25
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	3	0.25
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	3	0.25
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	3	0.25
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	19	0.25
(1,944)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	17	0.25
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	1	0.25
(1,829)	1:31:A:ALA:H	1:30:A:GLY:HA3	1	0.25
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	7	0.25
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	27	0.25
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	3	0.25
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	13	0.25
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	22	0.25
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	1	0.25
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	6	0.25
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	26	0.25
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB2	10	0.25
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	3	0.24
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	14	0.24
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	17	0.24
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	5	0.24
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	2	0.24
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	20	0.24
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	3	0.24
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	4	0.24
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	22	0.24
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	13	0.24
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	14	0.24
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	18	0.24
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	5	0.24
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	26	0.24
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	27	0.24
(3,641)	1:89:A:CYS:H	1:101:A:ASN:HA	16	0.24
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	1	0.24
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	9	0.24
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	17	0.24
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	26	0.24
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	28	0.24
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	16	0.24
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	10	0.24
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	12	0.24
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	14	0.24
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	15	0.24
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	16	0.24
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	17	0.24
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	26	0.24
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	29	0.24
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	5	0.24
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	16	0.24
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	18	0.24
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	26	0.24
(3,617)	1:98:A:ASP:H	1:97:A:PHE:HB3	24	0.24
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	3	0.24
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	8	0.24
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	13	0.24
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	18	0.24
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	5	0.24
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	19	0.24
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	2	0.24
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	26	0.24
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	25	0.24
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	19	0.24
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	3	0.24
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	12	0.24
(3,588)	1:28:A:VAL:H	1:29:A:ALA:H	15	0.24
(3,581)	1:41:A:TRP:HE1	1:59:A:LEU:HG	1	0.24
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	4	0.24
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	19	0.24
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	24	0.24
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	3	0.24
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	9	0.24
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	14	0.24
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	17	0.24
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	4	0.24
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	10	0.24
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	17	0.24
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	23	0.24
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	25	0.24
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	27	0.24
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	28	0.24
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	6	0.24
(3,547)	1:46:A:TRP:H	1:46:A:TRP:HB2	22	0.24
(3,547)	1:46:A:TRP:H	1:46:A:TRP:HB2	23	0.24
(3,540)	1:69:A:VAL:H	1:70:A:TYR:H	19	0.24
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	13	0.24
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	11	0.24
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	8	0.24
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	27	0.24
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	5	0.24
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	7	0.24
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	8	0.24
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	7	0.24
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	14	0.24
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	3	0.24
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	23	0.24
(3,481)	1:95:A:ASP:H	1:94:A:LYS:HB3	7	0.24
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	6	0.24
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	23	0.24
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	29	0.24
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	2	0.24
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	7	0.24
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	9	0.24
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	12	0.24
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	18	0.24
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	3	0.24
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	11	0.24
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	12	0.24
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	24	0.24
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	26	0.24
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	1	0.24
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	1	0.24
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	29	0.24
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	21	0.24
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	6	0.24
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	7	0.24
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	22	0.24
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	24	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	6	0.24
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	22	0.24
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	25	0.24
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	3	0.24
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	4	0.24
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	8	0.24
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	12	0.24
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	14	0.24
(3,279)	1:40:A:LYS:H	1:40:A:LYS:HB2	28	0.24
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	14	0.24
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	17	0.24
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	27	0.24
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	14	0.24
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	7	0.24
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	8	0.24
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	9	0.24
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	15	0.24
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	22	0.24
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	10	0.24
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	7	0.24
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	24	0.24
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	29	0.24
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	2	0.24
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	11	0.24
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	22	0.24
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	10	0.24
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	28	0.24
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	29	0.24
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	8	0.24
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	20	0.24
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	11	0.24
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	2	0.24
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	8	0.24
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	7	0.24
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	4	0.24
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	26	0.24
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	8	0.24
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	29	0.24
(3,64)	1:17:A:THR:H	1:17:A:THR:HB	25	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	9	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	9	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	9	0.24
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	9	0.24
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	9	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	9	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	9	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	9	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	23	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	23	0.24
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	23	0.24
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	23	0.24
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	23	0.24
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	23	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	23	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	23	0.24
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	23	0.24
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	9	0.24
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	9	0.24
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	9	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	9	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	9	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	9	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	9	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	9	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	9	0.24
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	23	0.24
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	23	0.24
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	23	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	23	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	23	0.24
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	23	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	23	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	23	0.24
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	23	0.24
(2,511)	1:93:A:THR:HG21	1:36:A:PRO:HD2	23	0.24
(2,511)	1:93:A:THR:HG22	1:36:A:PRO:HD2	23	0.24
(2,511)	1:93:A:THR:HG23	1:36:A:PRO:HD2	23	0.24
(2,433)	1:93:A:THR:HG21	1:36:A:PRO:HD2	23	0.24
(2,433)	1:93:A:THR:HG22	1:36:A:PRO:HD2	23	0.24
(2,433)	1:93:A:THR:HG23	1:36:A:PRO:HD2	23	0.24
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	20	0.24
(1,15981)	1:57:A:LEU:HB2	1:53:A:VAL:HA	13	0.24
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	4	0.24
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,15838)	1:1:A:ASP:HA	1:2:A:ASP:HB2	7	0.24
(1,15838)	1:1:A:ASP:HA	1:2:A:ASP:HB2	25	0.24
(1,15803)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	13	0.24
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	4	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	4	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	4	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	4	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	4	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	4	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	4	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	4	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	4	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	16	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	16	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	16	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	16	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	16	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	16	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	16	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	16	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	16	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	29	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	29	0.24
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	29	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	29	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	29	0.24
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	29	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	29	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	29	0.24
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	29	0.24
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	1	0.24
(1,15664)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	6	0.24
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	4	0.24
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	14	0.24
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	1	0.24
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	4	0.24
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	12	0.24
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	19	0.24
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	25	0.24
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	1	0.24
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	1	0.24
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	1	0.24
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	1	0.24
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	14	0.24
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	19	0.24
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	22	0.24
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	4	0.24
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	4	0.24
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	4	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	2	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	2	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	2	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	7	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	7	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	7	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	23	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	23	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	23	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	25	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	25	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	25	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	28	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	28	0.24
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	28	0.24
(1,14650)	1:57:A:LEU:HB2	1:53:A:VAL:HA	13	0.24
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	10	0.24
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,14564)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,14501)	1:1:A:ASP:HA	1:2:A:ASP:HB2	7	0.24
(1,14501)	1:1:A:ASP:HA	1:2:A:ASP:HB2	25	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD11	10	0.24
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD12	10	0.24
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD13	10	0.24
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.24
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.24
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.24
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.24
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.24
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.24
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,14410)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	22	0.24
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	24	0.24
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	4	0.24
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	14	0.24
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	15	0.24
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	22	0.24
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	25	0.24
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	4	0.24
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,13975)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.24
(1,13975)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.24
(1,13975)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.24
(1,13362)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	9	0.24
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,13228)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.24
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.24
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.24
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.24
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.24
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.24
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	1	0.24
(1,12986)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	6	0.24
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	14	0.24
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.24
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.24
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(1,12021)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	9	0.24
(1,11916)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.24
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,11886)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,11817)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.24
(1,11787)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.24
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	1	0.24
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,11546)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.24
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	20	0.24
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	22	0.24
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	23	0.24
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	24	0.24
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	8	0.24
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	8	0.24
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	8	0.24
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	5	0.24
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	5	0.24
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	5	0.24
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	5	0.24
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	5	0.24
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	5	0.24
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	5	0.24
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	5	0.24
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	4	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	4	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	4	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	4	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	4	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	4	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	4	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	4	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	4	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	11	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	11	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	11	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	11	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	11	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	11	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	11	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	11	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	11	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	19	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	19	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	19	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	19	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	19	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	19	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	19	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	19	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	19	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	21	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	21	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	21	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	21	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	21	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	21	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	21	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	21	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	21	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	25	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	25	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	25	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	25	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	25	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	25	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	25	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	25	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	25	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	29	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	29	0.24
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	29	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	29	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	29	0.24
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	29	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	29	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	29	0.24
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	29	0.24
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,10547)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.24
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.24
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.24
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.24
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.24
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.24
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,10302)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	6	0.24
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.24
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.24
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,9952)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9952)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.24
(1,9952)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.24
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(1,9339)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	9	0.24
(1,9233)	1:53:A:VAL:HA	1:57:A:LEU:HB2	13	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	4	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	4	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	4	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	4	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	4	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	4	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	4	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	4	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	4	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	11	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	11	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	11	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	11	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	11	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	11	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	11	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	11	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	11	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	19	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	19	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	19	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	19	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	19	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	19	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	19	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	19	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	21	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	21	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	21	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	21	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	21	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	21	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	21	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	21	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	21	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	25	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	25	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	25	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	25	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	25	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	25	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	25	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	25	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	25	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	29	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	29	0.24
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	29	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	29	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	29	0.24
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	29	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	29	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	29	0.24
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	29	0.24
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,9202)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,9146)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.24
(1,9146)	1:2:A:ASP:HB2	1:1:A:ASP:HA	25	0.24
(1,9131)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.24
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.24
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.24
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.24
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.24
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.24
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	22	0.24
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	22	0.24
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	22	0.24
(1,9097)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	13	0.24
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	1	0.24
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	12	0.24
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	25	0.24
(1,8977)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	5	0.24
(1,8977)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	11	0.24
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.24
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.24
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	19	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	4	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	4	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	4	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	4	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	4	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	4	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	4	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	4	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	4	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	11	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	11	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	11	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	11	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	11	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	11	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	11	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	11	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	19	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	19	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	19	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	19	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	19	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	19	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	19	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	19	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	19	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	21	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	21	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	21	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	21	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	21	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	21	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	21	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	21	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	21	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	25	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	25	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	25	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	25	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	25	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	25	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	25	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	25	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	25	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	29	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	29	0.24
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	29	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	29	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	29	0.24
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	29	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	29	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	29	0.24
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	29	0.24
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7843)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.24
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.24
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.24
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.24
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.24
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.24
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.24
(1,7757)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.24
(1,7757)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.24
(1,7757)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.24
(1,7738)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.24
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	5	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	5	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	5	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	5	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	5	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	5	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	5	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	5	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	5	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	8	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	8	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	8	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	8	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	8	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	8	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	8	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	8	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	8	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	18	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	18	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	18	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	18	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	18	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	18	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	18	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	18	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	29	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	29	0.24
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	29	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	29	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	29	0.24
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	29	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	29	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	29	0.24
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	29	0.24
(1,7598)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	6	0.24
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,7421)	1:49:A:LEU:H	1:59:A:LEU:HB2	29	0.24
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,7253)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.24
(1,7253)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.24
(1,7253)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.24
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(1,7043)	1:69:A:VAL:H	1:64:A:ASP:HB2	9	0.24
(1,6795)	1:65:A:ARG:H	1:65:A:ARG:HG2	5	0.24
(1,6634)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	9	0.24
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	17	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	4	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	4	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	4	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	4	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	4	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	4	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	4	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	4	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	4	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	11	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	11	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	11	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	11	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	11	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	11	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	11	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	11	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	11	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	19	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	19	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	19	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	19	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	19	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	19	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	19	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	19	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	19	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	21	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	21	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	21	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	21	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	21	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	21	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	21	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	21	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	21	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	25	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	25	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	25	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	25	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	25	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	25	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	25	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	25	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	25	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	29	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	29	0.24
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	29	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	29	0.24
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	29	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	29	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	29	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	29	0.24
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	29	0.24
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,6491)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.24
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.24
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.24
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.24
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.24
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.24
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.24
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,6267)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	5	0.24
(1,6267)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	11	0.24
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.24
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.24
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,5901)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.24
(1,5901)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.24
(1,5901)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.24
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(1,5455)	1:65:A:ARG:H	1:65:A:ARG:HG2	5	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	4	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	4	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	4	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	4	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	4	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	4	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	4	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	4	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	4	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	11	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	11	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	11	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	11	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	11	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	11	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	11	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	11	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	11	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	19	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	19	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	19	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	19	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	19	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	19	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	19	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	19	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	19	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	21	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	21	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	21	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	21	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	21	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	21	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	21	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	21	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	21	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	25	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	25	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	25	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	25	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	25	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	25	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	25	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	25	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	25	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	29	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	29	0.24
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	29	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	29	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	29	0.24
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	29	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	29	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	29	0.24
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	29	0.24
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,5149)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.24
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,5094)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.24
(1,5094)	1:2:A:ASP:HB2	1:1:A:ASP:HA	25	0.24
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.24
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.24
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.24
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.24
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.24
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.24
(1,5066)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.24
(1,5066)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.24
(1,5066)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.24
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	22	0.24
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	22	0.24
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	22	0.24
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	5	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	5	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	5	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	5	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	5	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	5	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	5	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	5	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	8	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	8	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	8	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	8	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	8	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	8	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	8	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	8	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	8	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	18	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	18	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	18	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	18	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	18	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	18	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	18	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	18	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	18	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	29	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	29	0.24
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	29	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	29	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	29	0.24
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	29	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	29	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	29	0.24
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	29	0.24
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	14	0.24
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	14	0.24
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	14	0.24
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	19	0.24
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	19	0.24
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	19	0.24
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	20	0.24
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	20	0.24
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	20	0.24
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	12	0.24
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	25	0.24
(1,4908)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	6	0.24
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,4808)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.24
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	4	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	4	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	4	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	4	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	4	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	4	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	4	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	4	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	4	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	11	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	11	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	11	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	11	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	11	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	11	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	11	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	11	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	11	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	19	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	19	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	19	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	19	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	19	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	19	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	19	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	19	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	19	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	21	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	21	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	21	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	21	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	21	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	21	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	21	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	21	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	21	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	25	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	25	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	25	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	25	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	25	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	25	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	25	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	25	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	25	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	29	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	29	0.24
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	29	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	29	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	29	0.24
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	29	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	29	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	29	0.24
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	29	0.24
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,3811)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.24
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,3755)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.24
(1,3755)	1:2:A:ASP:HB2	1:1:A:ASP:HA	25	0.24
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	7	0.24
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	7	0.24
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	7	0.24
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	7	0.24
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	7	0.24
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	7	0.24
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	7	0.24
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	7	0.24
(1,3587)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	5	0.24
(1,3587)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	11	0.24
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.24
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	8	0.24
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	8	0.24
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	8	0.24
(1,2567)	1:53:A:VAL:HB	1:52:A:LYS:HG2	5	0.24
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	14	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	4	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	4	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	4	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	4	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	4	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	4	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	4	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	4	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	4	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	11	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	11	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	11	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	11	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	11	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	11	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	11	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	11	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	19	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	19	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	19	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	19	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	19	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	19	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	19	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	19	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	19	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	21	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	21	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	21	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	21	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	21	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	21	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	21	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	21	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	21	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	25	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	25	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	25	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	25	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	25	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	25	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	25	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	25	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	25	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	29	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	29	0.24
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	29	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	29	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	29	0.24
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	29	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	29	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	29	0.24
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	29	0.24
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,2467)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.24
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,2411)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.24
(1,2411)	1:2:A:ASP:HB2	1:1:A:ASP:HA	25	0.24
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.24
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.24
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.24
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.24
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.24
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.24
(1,2380)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.24
(1,2380)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.24
(1,2380)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.24
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	22	0.24
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	22	0.24
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	22	0.24
(1,2360)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	13	0.24
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	5	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	5	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	5	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	5	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	5	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	5	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	5	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	5	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	5	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	8	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	8	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	8	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	8	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	8	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	8	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	8	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	8	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	8	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	18	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	18	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	18	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	18	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	18	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	18	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	18	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	18	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	29	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	29	0.24
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	29	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	29	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	29	0.24
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	29	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	29	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	29	0.24
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	29	0.24
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,2179)	1:101:A:ASN:H	1:100:A:SER:HB2	23	0.24
(1,2118)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.24
(1,2105)	1:67:A:SER:H	1:64:A:ASP:HB2	17	0.24
(1,2047)	1:35:A:LYS:H	1:35:A:LYS:HE2	9	0.24
(1,2047)	1:35:A:LYS:H	1:35:A:LYS:HE2	17	0.24
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(1,1264)	1:49:A:LEU:HA	1:52:A:LYS:HG2	10	0.24
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	14	0.24
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	16	0.24
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	25	0.24
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	17	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	4	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	4	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	4	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	4	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	4	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	4	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	4	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	4	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	4	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	11	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	11	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	11	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	11	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	11	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	11	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	11	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	11	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	11	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	19	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	19	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	19	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	19	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	19	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	19	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	19	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	19	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	19	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	21	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	21	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	21	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	21	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	21	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	21	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	21	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	21	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	21	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	25	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	25	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	25	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	25	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	25	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	25	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	25	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	25	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	25	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	29	0.24
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	29	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	29	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	29	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	29	0.24
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	29	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	29	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	29	0.24
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	29	0.24
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD21	28	0.24
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD22	28	0.24
(1,1128)	1:45:A:LYS:HD2	1:104:A:LEU:HD23	28	0.24
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.24
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	5	0.24
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	6	0.24
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	28	0.24
(1,1072)	1:2:A:ASP:HB2	1:1:A:ASP:HA	7	0.24
(1,1072)	1:2:A:ASP:HB2	1:1:A:ASP:HA	25	0.24
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.24
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.24
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.24
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.24
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.24
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.24
(1,1043)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.24
(1,1043)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.24
(1,1043)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.24
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	22	0.24
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	22	0.24
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	22	0.24
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	26	0.24
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	9	0.24
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	9	0.24
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	5	0.24
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	1	0.24
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	27	0.24
(1,767)	1:67:A:SER:H	1:64:A:ASP:HB2	17	0.24
(1,713)	1:35:A:LYS:H	1:35:A:LYS:HE2	9	0.24
(1,713)	1:35:A:LYS:H	1:35:A:LYS:HE2	17	0.24
(1,693)	1:46:A:TRP:HE1	1:45:A:LYS:HE2	26	0.24
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	27	0.24
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	7	0.24
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	29	0.24
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB2	26	0.24
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	22	0.23
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	5	0.23
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	21	0.23
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	7	0.23
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	29	0.23
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	11	0.23
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	21	0.23
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	3	0.23
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	9	0.23
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	13	0.23
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	20	0.23
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	20	0.23
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	23	0.23
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	10	0.23
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	12	0.23
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	14	0.23
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	15	0.23
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	16	0.23
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	29	0.23
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	4	0.23
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	22	0.23
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	9	0.23
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	17	0.23
(3,617)	1:98:A:ASP:H	1:97:A:PHE:HB3	25	0.23
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	4	0.23
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	12	0.23
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	14	0.23
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	21	0.23
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	27	0.23
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	27	0.23
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	25	0.23
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	10	0.23
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	24	0.23
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	25	0.23
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	16	0.23
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	25	0.23
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	3	0.23
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	1	0.23
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	9	0.23
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	15	0.23
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	22	0.23
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	3	0.23
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	6	0.23
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	9	0.23
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	19	0.23
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	26	0.23
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	25	0.23
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	11	0.23
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	13	0.23
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	5	0.23
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	20	0.23
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	10	0.23
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	15	0.23
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	23	0.23
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	12	0.23
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	19	0.23
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	23	0.23
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	6	0.23
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	24	0.23
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	9	0.23
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	29	0.23
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	6	0.23
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	25	0.23
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	3	0.23
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	13	0.23
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	23	0.23
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	26	0.23
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	29	0.23
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	13	0.23
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	15	0.23
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	23	0.23
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	1	0.23
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	29	0.23
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	8	0.23
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	6	0.23
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	15	0.23
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	1	0.23
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	10	0.23
(3,408)	1:102:A:PHE:H	1:88:A:ARG:HA	17	0.23
(3,388)	1:108:A:GLU:H	1:107:A:HIS:H	3	0.23
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	4	0.23
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	13	0.23
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	28	0.23
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	6	0.23
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	18	0.23
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	9	0.23
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	20	0.23
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	17	0.23
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	29	0.23
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	4	0.23
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	8	0.23
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	21	0.23
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	21	0.23
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	22	0.23
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	26	0.23
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	2	0.23
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	5	0.23
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	13	0.23
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	18	0.23
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	1	0.23
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	10	0.23
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	15	0.23
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	24	0.23
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	28	0.23
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	12	0.23
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	17	0.23
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	1	0.23
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	8	0.23
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	17	0.23
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	26	0.23
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	4	0.23
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	5	0.23
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	8	0.23
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	12	0.23
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	17	0.23
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	19	0.23
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	21	0.23
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	27	0.23
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	1	0.23
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	13	0.23
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	16	0.23
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	21	0.23
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	26	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	7	0.23
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	10	0.23
(3,154)	1:64:A:ASP:H	1:64:A:ASP:HB2	29	0.23
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	13	0.23
(3,120)	1:48:A:ASP:H	1:48:A:ASP:HB3	15	0.23
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	20	0.23
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	24	0.23
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	25	0.23
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	2	0.23
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	7	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	13	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	13	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	13	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	13	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	13	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	13	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	13	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	13	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	13	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	17	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	17	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	17	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	17	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	17	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	17	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	17	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	17	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	17	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	26	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	26	0.23
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	26	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	26	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	26	0.23
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	26	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	26	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	26	0.23
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	26	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	13	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	13	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	13	0.23
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	13	0.23
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	13	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	13	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	13	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	13	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	17	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	17	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	17	0.23
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	17	0.23
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	17	0.23
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	17	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	17	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	17	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	17	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	26	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	26	0.23
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	26	0.23
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	26	0.23
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	26	0.23
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	26	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	26	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	26	0.23
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	26	0.23
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	19	0.23
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	19	0.23
(2,511)	1:93:A:THR:HG21	1:36:A:PRO:HD2	27	0.23
(2,511)	1:93:A:THR:HG22	1:36:A:PRO:HD2	27	0.23
(2,511)	1:93:A:THR:HG23	1:36:A:PRO:HD2	27	0.23
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	19	0.23
(2,433)	1:93:A:THR:HG21	1:36:A:PRO:HD2	27	0.23
(2,433)	1:93:A:THR:HG22	1:36:A:PRO:HD2	27	0.23
(2,433)	1:93:A:THR:HG23	1:36:A:PRO:HD2	27	0.23
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	19	0.23
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	19	0.23
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	19	0.23
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	19	0.23
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	19	0.23
(1,16037)	1:1:A:ASP:HA	1:94:A:LYS:HG3	27	0.23
(1,16029)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	26	0.23
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	2	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	2	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	2	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	2	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	2	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	2	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	2	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	2	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	5	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	5	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	5	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	5	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	5	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	5	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	5	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	5	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	5	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	8	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	8	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	8	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	8	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	8	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	8	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	8	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	8	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	8	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	9	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	9	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	9	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	9	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	9	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	9	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	9	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	9	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	9	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	11	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	11	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	11	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	11	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	11	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	11	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	11	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	11	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	13	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	13	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	13	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	13	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	13	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	13	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	13	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	13	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	13	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	14	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	14	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	14	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	14	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	14	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	14	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	14	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	14	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	14	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	20	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	20	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	20	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	20	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	20	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	20	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	20	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	20	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	20	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	21	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	21	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	21	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	21	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	21	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	21	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	21	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	21	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	21	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	22	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	22	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	22	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	22	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	22	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	22	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	22	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	22	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	22	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	25	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	25	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	25	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	25	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	25	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	25	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	25	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	25	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	25	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	28	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	28	0.23
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	28	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	28	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	28	0.23
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	28	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	28	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	28	0.23
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	28	0.23
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD21	22	0.23
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	8	0.23
(1,15664)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	24	0.23
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	13	0.23
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	25	0.23
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	26	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	9	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	10	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	13	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	14	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	17	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	18	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	26	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	28	0.23
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	29	0.23
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	3	0.23
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	3	0.23
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	6	0.23
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	6	0.23
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	6	0.23
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	3	0.23
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	15	0.23
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	16	0.23
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	21	0.23
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	26	0.23
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	29	0.23
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	20	0.23
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	10	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	10	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	10	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	11	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	11	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	11	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	18	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	18	0.23
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	18	0.23
(1,14706)	1:1:A:ASP:HA	1:94:A:LYS:HG3	27	0.23
(1,14698)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	26	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	8	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	8	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	8	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	9	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	9	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	9	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	15	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	15	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	15	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	19	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	19	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	19	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	21	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	21	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	21	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	22	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	22	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	22	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	24	0.23
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	24	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	24	0.23
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD11	11	0.23
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD12	11	0.23
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD13	11	0.23
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	13	0.23
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	25	0.23
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	6	0.23
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	8	0.23
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	10	0.23
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	14	0.23
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	21	0.23
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	24	0.23
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	28	0.23
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	10	0.23
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	22	0.23
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	29	0.23
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE2	3	0.23
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,13756)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.23
(1,13750)	1:58:A:GLN:HE22	1:76:A:ILE:HG12	5	0.23
(1,13390)	1:49:A:LEU:HD21	1:53:A:VAL:H	29	0.23
(1,13390)	1:49:A:LEU:HD22	1:53:A:VAL:H	29	0.23
(1,13390)	1:49:A:LEU:HD23	1:53:A:VAL:H	29	0.23
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	8	0.23
(1,12986)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	24	0.23
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	13	0.23
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	25	0.23
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,11930)	1:43:A:LYS:HD3	1:49:A:LEU:HD11	24	0.23
(1,11930)	1:43:A:LYS:HD3	1:49:A:LEU:HD12	24	0.23
(1,11930)	1:43:A:LYS:HD3	1:49:A:LEU:HD13	24	0.23
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.23
(1,11805)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.23
(1,11805)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.23
(1,11805)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.23
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	8	0.23
(1,11652)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.23
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,11544)	1:85:A:GLY:H	1:104:A:LEU:HB2	14	0.23
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD21	10	0.23
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD22	10	0.23
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD23	10	0.23
(1,11081)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.23
(1,10891)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.23
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	7	0.23
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	12	0.23
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	23	0.23
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	23	0.23
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	23	0.23
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	23	0.23
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	23	0.23
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	23	0.23
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	23	0.23
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	23	0.23
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	23	0.23
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	29	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	29	0.23
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	29	0.23
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	29	0.23
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	29	0.23
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	29	0.23
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	29	0.23
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	29	0.23
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	29	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	15	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	15	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	15	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	15	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	15	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	15	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	15	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	15	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	15	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	23	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	23	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	23	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	23	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	23	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	23	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	23	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	23	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	23	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	23	0.23
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.23
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,10303)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.23
(1,10302)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	24	0.23
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,9550)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	15	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	15	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	15	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	15	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	15	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	15	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	15	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	15	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	15	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	23	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	23	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	23	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	23	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	23	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	23	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	23	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	23	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	23	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	17	0.23
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	8	0.23
(1,8977)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	12	0.23
(1,8977)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	13	0.23
(1,8977)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	23	0.23
(1,8977)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	24	0.23
(1,8958)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.23
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,8846)	1:85:A:GLY:H	1:104:A:LEU:HB2	14	0.23
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,8016)	1:49:A:LEU:HD21	1:53:A:VAL:H	29	0.23
(1,8016)	1:49:A:LEU:HD22	1:53:A:VAL:H	29	0.23
(1,8016)	1:49:A:LEU:HD23	1:53:A:VAL:H	29	0.23
(1,8002)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	26	0.23
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.23
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.23
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	15	0.23
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	15	0.23
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	15	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	15	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	15	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	15	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	15	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	15	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	15	0.23
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	23	0.23
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	23	0.23
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	23	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	23	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	23	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	23	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	23	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	23	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	23	0.23
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	23	0.23
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.23
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.23
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.23
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.23
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	3	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	3	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	3	0.23
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	3	0.23
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	3	0.23
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	3	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	3	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	3	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	3	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	4	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	4	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	4	0.23
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	4	0.23
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	4	0.23
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	4	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	4	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	4	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	4	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	9	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	9	0.23
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	9	0.23
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	9	0.23
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	9	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	9	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	9	0.23
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	9	0.23
(1,7599)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.23
(1,7598)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	24	0.23
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,7462)	1:106:A:VAL:H	1:85:A:GLY:H	14	0.23
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,7034)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.23
(1,6842)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	15	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	15	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	15	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	15	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	15	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	15	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	15	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	15	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	15	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	23	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	23	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	23	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	23	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	23	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	23	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	23	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	23	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	23	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.23
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,6267)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	12	0.23
(1,6267)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	13	0.23
(1,6267)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	23	0.23
(1,6267)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	24	0.23
(1,6248)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.23
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	4	0.23
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	17	0.23
(1,6113)	1:106:A:VAL:H	1:85:A:GLY:H	14	0.23
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,5688)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.23
(1,5268)	1:50:A:SER:HB2	1:52:A:LYS:HD2	17	0.23
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	19	0.23
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	19	0.23
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	19	0.23
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	19	0.23
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	19	0.23
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	19	0.23
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	19	0.23
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	19	0.23
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	19	0.23
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	21	0.23
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	21	0.23
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	21	0.23
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	21	0.23
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	21	0.23
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	21	0.23
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	21	0.23
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	21	0.23
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	21	0.23
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	15	0.23
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	15	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	15	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	15	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	15	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	15	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	15	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	15	0.23
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	23	0.23
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	23	0.23
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	23	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	23	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	23	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	23	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	23	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	23	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	23	0.23
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	23	0.23
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.23
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.23
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.23
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.23
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	3	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	3	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	3	0.23
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	3	0.23
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	3	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	3	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	3	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	3	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	4	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	4	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	4	0.23
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	4	0.23
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	4	0.23
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	4	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	4	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	4	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	4	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	9	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	9	0.23
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	9	0.23
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	9	0.23
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	9	0.23
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	9	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	9	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	9	0.23
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	9	0.23
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	8	0.23
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	8	0.23
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	8	0.23
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	22	0.23
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	22	0.23
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	22	0.23
(1,4909)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.23
(1,4908)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	24	0.23
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE2	3	0.23
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,4352)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.23
(1,3969)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	26	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	15	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	15	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	15	0.23
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	15	0.23
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	15	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	15	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	15	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	15	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	23	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	23	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	23	0.23
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	23	0.23
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	23	0.23
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	23	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	23	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	23	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	23	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.23
(1,3726)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.23
(1,3726)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.23
(1,3726)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.23
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	16	0.23
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	16	0.23
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	16	0.23
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	16	0.23
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	16	0.23
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	16	0.23
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	16	0.23
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	16	0.23
(1,3587)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	12	0.23
(1,3587)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	13	0.23
(1,3587)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	23	0.23
(1,3587)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	24	0.23
(1,3568)	1:33:A:LEU:HB2	1:33:A:LEU:HG	7	0.23
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,3429)	1:106:A:VAL:H	1:85:A:GLY:H	14	0.23
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	10	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	10	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	10	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	11	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	11	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	11	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	18	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	18	0.23
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	18	0.23
(1,2578)	1:50:A:SER:HB2	1:52:A:LYS:HD2	17	0.23
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	1	0.23
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	2	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	15	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	15	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	15	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	15	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	15	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	15	0.23
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	15	0.23
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	15	0.23
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	15	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	23	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	23	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	23	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	23	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	23	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	23	0.23
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	23	0.23
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	23	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	23	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.23
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.23
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.23
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.23
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	13	0.23
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	13	0.23
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	13	0.23
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	13	0.23
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	13	0.23
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	13	0.23
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	13	0.23
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	13	0.23
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	13	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	3	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	3	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	3	0.23
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	3	0.23
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	3	0.23
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	3	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	3	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	3	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	3	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	4	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	4	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	4	0.23
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	4	0.23
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	4	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	4	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	4	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	4	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	9	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	9	0.23
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	9	0.23
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	9	0.23
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	9	0.23
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	9	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	9	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	9	0.23
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	9	0.23
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,2179)	1:101:A:ASN:H	1:100:A:SER:HB2	5	0.23
(1,2086)	1:106:A:VAL:H	1:85:A:GLY:H	14	0.23
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	11	0.23
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	11	0.23
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	11	0.23
(1,1238)	1:50:A:SER:HB2	1:52:A:LYS:HD2	17	0.23
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	15	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	15	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	15	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	15	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	15	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	15	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	15	0.23
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	15	0.23
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	15	0.23
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	15	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	23	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	23	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	23	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	23	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	23	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	23	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	23	0.23
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	23	0.23
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	23	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	24	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	24	0.23
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	24	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	24	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	24	0.23
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	24	0.23
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	24	0.23
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	24	0.23
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	24	0.23
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	19	0.23
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	19	0.23
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	19	0.23
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.23
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.23
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.23
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.23
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	28	0.23
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	28	0.23
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	28	0.23
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	2	0.23
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	7	0.23
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	4	0.23
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	18	0.23
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	24	0.23
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	8	0.23
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	25	0.23
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	13	0.23
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	25	0.23
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	4	0.22
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	9	0.22
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	16	0.22
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	1	0.22
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	1	0.22
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	1	0.22
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	29	0.22
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	4	0.22
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	10	0.22
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	17	0.22
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	24	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	29	0.22
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	28	0.22
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	18	0.22
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	14	0.22
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	22	0.22
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	28	0.22
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	2	0.22
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	9	0.22
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	26	0.22
(3,700)	1:71:A:LEU:H	1:70:A:TYR:H	9	0.22
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	16	0.22
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	27	0.22
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	8	0.22
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	10	0.22
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	12	0.22
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	16	0.22
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	26	0.22
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	4	0.22
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	22	0.22
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	24	0.22
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	12	0.22
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	1	0.22
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	20	0.22
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	24	0.22
(3,637)	1:107:A:HIS:H	1:106:A:VAL:H	25	0.22
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	3	0.22
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	4	0.22
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	13	0.22
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	17	0.22
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	15	0.22
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	25	0.22
(3,610)	1:40:A:LYS:H	1:41:A:TRP:H	29	0.22
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	3	0.22
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	2	0.22
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	4	0.22
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	6	0.22
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	12	0.22
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	13	0.22
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	19	0.22
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	20	0.22
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	28	0.22
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	10	0.22
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	8	0.22
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	9	0.22
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	14	0.22
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	21	0.22
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	22	0.22
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	11	0.22
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	11	0.22
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	18	0.22
(3,560)	1:22:A:ILE:H	1:23:A:THR:H	25	0.22
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	1	0.22
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	2	0.22
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	7	0.22
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	11	0.22
(3,554)	1:19:A:GLY:H	1:18:A:VAL:H	21	0.22
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	9	0.22
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	12	0.22
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	26	0.22
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	13	0.22
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	16	0.22
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	22	0.22
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	23	0.22
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	5	0.22
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	25	0.22
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	14	0.22
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	29	0.22
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	25	0.22
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	28	0.22
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	28	0.22
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	16	0.22
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	23	0.22
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	6	0.22
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	10	0.22
(3,465)	1:41:A:TRP:H	1:40:A:LYS:HB3	28	0.22
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	14	0.22
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	10	0.22
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	20	0.22
(3,441)	1:50:A:SER:H	1:49:A:LEU:HB3	18	0.22
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	28	0.22
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	28	0.22
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	22	0.22
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	13	0.22
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	6	0.22
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	14	0.22
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	26	0.22
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	29	0.22
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	9	0.22
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	16	0.22
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	17	0.22
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	7	0.22
(3,378)	1:33:A:LEU:H	1:33:A:LEU:HB2	11	0.22
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	21	0.22
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	26	0.22
(3,317)	1:73:A:GLU:H	1:73:A:GLU:HB3	12	0.22
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	1	0.22
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	4	0.22
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	11	0.22
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	18	0.22
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	19	0.22
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	1	0.22
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	2	0.22
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	20	0.22
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	22	0.22
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	23	0.22
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	4	0.22
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	12	0.22
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	20	0.22
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	22	0.22
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	25	0.22
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	13	0.22
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	6	0.22
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	1	0.22
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	15	0.22
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	18	0.22
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	22	0.22
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	18	0.22
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	27	0.22
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	5	0.22
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	21	0.22
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	15	0.22
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	15	0.22
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	15	0.22
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	15	0.22
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	15	0.22
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	15	0.22
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	15	0.22
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	15	0.22
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	15	0.22
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	15	0.22
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	15	0.22
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	15	0.22
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	15	0.22
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	15	0.22
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	15	0.22
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	15	0.22
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	15	0.22
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	15	0.22
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,511)	1:93:A:THR:HG21	1:36:A:PRO:HD2	5	0.22
(2,511)	1:93:A:THR:HG22	1:36:A:PRO:HD2	5	0.22
(2,511)	1:93:A:THR:HG23	1:36:A:PRO:HD2	5	0.22
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,433)	1:93:A:THR:HG21	1:36:A:PRO:HD2	5	0.22
(2,433)	1:93:A:THR:HG22	1:36:A:PRO:HD2	5	0.22
(2,433)	1:93:A:THR:HG23	1:36:A:PRO:HD2	5	0.22
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	12	0.22
(1,16029)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	17	0.22
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	12	0.22
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	15	0.22
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	5	0.22
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	9	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	1	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	1	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	1	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	1	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	1	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	1	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	1	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	1	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	3	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	3	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	3	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	3	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	3	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	3	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	3	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	3	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	3	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	6	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	6	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	6	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	6	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	6	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	6	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	6	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	6	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	6	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	7	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	7	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	7	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	7	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	7	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	7	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	7	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	7	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	7	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	12	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	12	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	12	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	12	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	12	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	12	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	12	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	12	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	12	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	15	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	15	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	15	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	15	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	15	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	15	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	15	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	15	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	18	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	18	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	18	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	18	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	18	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	18	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	18	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	18	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	18	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	19	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	19	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	19	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	19	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	19	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	19	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	19	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	19	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	19	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	23	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	23	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	23	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	23	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	23	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	23	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	23	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	23	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	23	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	24	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	24	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	24	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	24	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	24	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	24	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	24	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	24	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	24	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	26	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	26	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	26	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	26	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	26	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	26	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	26	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	26	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	26	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	27	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	27	0.22
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	27	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	27	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	27	0.22
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	27	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	27	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	27	0.22
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	27	0.22
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	2	0.22
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	10	0.22
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	22	0.22
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	11	0.22
(1,15640)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	25	0.22
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.22
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	3	0.22
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	5	0.22
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	7	0.22
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	11	0.22
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	15	0.22
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	21	0.22
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	22	0.22
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	24	0.22
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	25	0.22
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	25	0.22
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	25	0.22
(1,15556)	1:67:A:SER:H	1:64:A:ASP:HB2	4	0.22
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	4	0.22
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	20	0.22
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	14	0.22
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	14	0.22
(1,15107)	1:38:A:VAL:H	1:35:A:LYS:HD2	8	0.22
(1,14917)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	1	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	1	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	1	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	5	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	5	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	5	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	15	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	15	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	15	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	26	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	26	0.22
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	26	0.22
(1,14698)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	17	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	1	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	1	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	1	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	14	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	14	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	14	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	27	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	27	0.22
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	27	0.22
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	12	0.22
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	15	0.22
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	5	0.22
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,14564)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD11	24	0.22
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD12	24	0.22
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD13	24	0.22
(1,14423)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.22
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	11	0.22
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	10	0.22
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	22	0.22
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	11	0.22
(1,14302)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	25	0.22
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.22
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	3	0.22
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	5	0.22
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	19	0.22
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	20	0.22
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	27	0.22
(1,13750)	1:58:A:GLN:HE22	1:76:A:ILE:HG12	11	0.22
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.22
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.22
(1,13340)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.22
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,13323)	1:81:A:PRO:HD2	1:80:A:GLN:HG3	21	0.22
(1,13230)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	0.22
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,13228)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	2	0.22
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	10	0.22
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	22	0.22
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	11	0.22
(1,12958)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	25	0.22
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.22
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.22
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,11979)	1:81:A:PRO:HD2	1:80:A:GLN:HG3	21	0.22
(1,11888)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	0.22
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,11886)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	2	0.22
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	11	0.22
(1,11621)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	25	0.22
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.22
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.22
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	27	0.22
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	2	0.22
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	3	0.22
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.22
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.22
(1,10662)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.22
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	13	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	13	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	13	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	13	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	13	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	13	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	13	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	13	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	13	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	17	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	17	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	17	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	17	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	17	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	17	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	17	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	17	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	17	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	26	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	26	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	26	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	26	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	26	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	26	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	26	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	26	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	26	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	27	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	27	0.22
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	27	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	27	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	27	0.22
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	27	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	27	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	27	0.22
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	27	0.22
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	16	0.22
(1,10549)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	0.22
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,10547)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,10397)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.22
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	11	0.22
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	25	0.22
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.22
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.22
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	13	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	13	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	13	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	13	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	13	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	13	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	13	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	13	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	13	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	17	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	17	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	17	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	17	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	17	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	17	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	17	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	17	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	26	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	26	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	26	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	26	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	26	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	26	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	26	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	26	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	26	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	27	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	27	0.22
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	27	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	27	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	27	0.22
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	27	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	27	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	27	0.22
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	27	0.22
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,9202)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	6	0.22
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	6	0.22
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	6	0.22
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	2	0.22
(1,8984)	1:49:A:LEU:HG	1:49:A:LEU:HB2	13	0.22
(1,8977)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	29	0.22
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.22
(1,8837)	1:67:A:SER:H	1:64:A:ASP:HB2	4	0.22
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.22
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.22
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.22
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,8197)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.22
(1,8124)	1:2:A:ASP:H	1:2:A:ASP:HB2	10	0.22
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	15	0.22
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	15	0.22
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.22
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.22
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.22
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.22
(1,7966)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.22
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	13	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	13	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	13	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	13	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	13	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	13	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	13	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	13	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	13	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	17	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	17	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	17	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	17	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	17	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	17	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	17	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	17	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	17	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	26	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	26	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	26	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	26	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	26	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	26	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	26	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	26	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	26	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	27	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	27	0.22
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	27	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	27	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	27	0.22
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	27	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	27	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	27	0.22
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	27	0.22
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	16	0.22
(1,7845)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	0.22
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,7843)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.22
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.22
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.22
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.22
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.22
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.22
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.22
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.22
(1,7693)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.22
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	7	0.22
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	7	0.22
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	7	0.22
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	7	0.22
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	7	0.22
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	7	0.22
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	7	0.22
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	7	0.22
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	7	0.22
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	20	0.22
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	20	0.22
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	20	0.22
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	20	0.22
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	20	0.22
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	20	0.22
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	20	0.22
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	20	0.22
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	20	0.22
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	11	0.22
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	25	0.22
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.22
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD2	13	0.22
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.22
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.22
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,6770)	1:2:A:ASP:H	1:2:A:ASP:HB2	10	0.22
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.22
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.22
(1,6614)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.22
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,6597)	1:81:A:PRO:HD2	1:80:A:GLN:HG3	21	0.22
(1,6521)	1:53:A:VAL:HA	1:57:A:LEU:HB2	10	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	13	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	13	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	13	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	13	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	13	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	13	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	13	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	13	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	13	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	17	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	17	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	17	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	17	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	17	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	17	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	17	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	17	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	17	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	26	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	26	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	26	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	26	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	26	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	26	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	26	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	26	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	26	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	27	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	27	0.22
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	27	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	27	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	27	0.22
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	27	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	27	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	27	0.22
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	27	0.22
(1,6493)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	0.22
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,6491)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.22
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.22
(1,6267)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	29	0.22
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	11	0.22
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	25	0.22
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.22
(1,6133)	1:67:A:SER:H	1:64:A:ASP:HB2	4	0.22
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.22
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,5501)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.22
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	3	0.22
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB1	2	0.22
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB2	2	0.22
(1,5282)	1:37:A:PRO:HD2	1:31:A:ALA:HB3	2	0.22
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.22
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.22
(1,5275)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.22
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,5254)	1:81:A:PRO:HD2	1:80:A:GLN:HG3	21	0.22
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	20	0.22
(1,5178)	1:53:A:VAL:HA	1:57:A:LEU:HB2	10	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	13	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	13	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	13	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	13	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	13	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	13	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	13	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	13	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	17	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	17	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	17	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	17	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	17	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	17	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	17	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	17	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	17	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	26	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	26	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	26	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	26	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	26	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	26	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	26	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	26	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	26	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	27	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	27	0.22
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	27	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	27	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	27	0.22
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	27	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	27	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	27	0.22
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	27	0.22
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	16	0.22
(1,5151)	1:33:A:LEU:HG	1:37:A:PRO:HG2	24	0.22
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,5149)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.22
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.22
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.22
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.22
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.22
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.22
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.22
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	6	0.22
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	6	0.22
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	6	0.22
(1,5002)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.22
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	7	0.22
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	7	0.22
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	7	0.22
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	7	0.22
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	7	0.22
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	7	0.22
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	7	0.22
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	7	0.22
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	7	0.22
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	20	0.22
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	20	0.22
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	20	0.22
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	20	0.22
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	20	0.22
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	20	0.22
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	20	0.22
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	20	0.22
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	20	0.22
(1,4939)	1:33:A:LEU:HD21	1:33:A:LEU:HA	25	0.22
(1,4939)	1:33:A:LEU:HD22	1:33:A:LEU:HA	25	0.22
(1,4939)	1:33:A:LEU:HD23	1:33:A:LEU:HA	25	0.22
(1,4935)	1:49:A:LEU:HG	1:49:A:LEU:HB2	13	0.22
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	11	0.22
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	25	0.22
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.22
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.22
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.22
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.22
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.22
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,4207)	1:52:A:LYS:H	1:52:A:LYS:HG2	19	0.22
(1,4164)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4092)	1:2:A:ASP:H	1:2:A:ASP:HB2	10	0.22
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	3	0.22
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	13	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	13	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	13	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	13	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	13	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	13	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	13	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	13	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	13	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	17	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	17	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	17	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	17	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	17	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	17	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	17	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	17	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	17	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	26	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	26	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	26	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	26	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	26	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	26	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	26	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	26	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	26	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	27	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	27	0.22
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	27	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	27	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	27	0.22
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	27	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	27	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	27	0.22
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	27	0.22
(1,3813)	1:33:A:LEU:HG	1:37:A:PRO:HG2	16	0.22
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,3811)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.22
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.22
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	23	0.22
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	23	0.22
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	23	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	3	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	3	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	3	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	3	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	3	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	3	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	3	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	3	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	3	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	4	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	4	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	4	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	4	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	4	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	4	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	4	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	4	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	4	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	13	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	13	0.22
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	13	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	13	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	13	0.22
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	13	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	13	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	13	0.22
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	13	0.22
(1,3587)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	29	0.22
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	11	0.22
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	25	0.22
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.22
(1,3449)	1:67:A:SER:H	1:64:A:ASP:HB2	4	0.22
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.22
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.22
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,2743)	1:2:A:ASP:H	1:2:A:ASP:HB2	10	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	1	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	1	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	1	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	5	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	5	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	5	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	15	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	15	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	15	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	26	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	26	0.22
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	26	0.22
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,2509)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	4	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	13	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	13	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	13	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	13	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	13	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	13	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	13	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	13	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	13	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	17	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	17	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	17	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	17	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	17	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	17	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	17	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	17	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	17	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	26	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	26	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	26	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	26	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	26	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	26	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	26	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	26	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	26	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	27	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	27	0.22
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	27	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	27	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	27	0.22
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	27	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	27	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	27	0.22
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	27	0.22
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,2467)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.22
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.22
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.22
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.22
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.22
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.22
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.22
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.22
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	6	0.22
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	6	0.22
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	6	0.22
(1,2317)	1:57:A:LEU:HG	1:57:A:LEU:HB2	10	0.22
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	5	0.22
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	5	0.22
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	5	0.22
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	5	0.22
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	5	0.22
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	5	0.22
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	5	0.22
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	5	0.22
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	5	0.22
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	17	0.22
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	17	0.22
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	17	0.22
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	17	0.22
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	17	0.22
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	17	0.22
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	17	0.22
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	17	0.22
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	7	0.22
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	7	0.22
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	7	0.22
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	7	0.22
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	7	0.22
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	7	0.22
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	7	0.22
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	7	0.22
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	7	0.22
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	20	0.22
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	20	0.22
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	20	0.22
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	20	0.22
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	20	0.22
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	20	0.22
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	20	0.22
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	20	0.22
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	20	0.22
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	11	0.22
(1,2198)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	25	0.22
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.22
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.22
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.22
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.22
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.22
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,1519)	1:52:A:LYS:H	1:52:A:LYS:HG2	19	0.22
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	19	0.22
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	19	0.22
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	19	0.22
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	3	0.22
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG21	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG22	18	0.22
(1,1245)	1:73:A:GLU:HB2	1:23:A:THR:HG23	18	0.22
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	7	0.22
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	28	0.22
(1,1225)	1:81:A:PRO:HD2	1:80:A:GLN:HG3	21	0.22
(1,1157)	1:53:A:VAL:HA	1:57:A:LEU:HB2	10	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	13	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	13	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	13	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	13	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	13	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	13	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	13	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	13	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	13	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	17	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	17	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	17	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	17	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	17	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	17	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	17	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	17	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	17	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	26	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	26	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	26	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	26	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	26	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	26	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	26	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	26	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	26	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	27	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	27	0.22
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	27	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	27	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	27	0.22
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	27	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	27	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	27	0.22
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	27	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	4	0.22
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	4	0.22
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	4	0.22
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD21	9	0.22
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD22	9	0.22
(1,1128)	1:45:A:LYS:HD3	1:104:A:LEU:HD23	9	0.22
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.22
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.22
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.22
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.22
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.22
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.22
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.22
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.22
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	6	0.22
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	6	0.22
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	6	0.22
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	11	0.22
(1,860)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	25	0.22
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	29	0.22
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.22
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.22
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.22
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	15	0.22
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	2	0.22
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD2	5	0.22
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	28	0.22
(1,146)	1:4:A:ILE:H	1:5:A:GLY:HA2	9	0.22
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	20	0.21
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	28	0.21
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	8	0.21
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	19	0.21
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	12	0.21
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	21	0.21
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	3	0.21
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	12	0.21
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	23	0.21
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	6	0.21
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	11	0.21
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	2	0.21
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	8	0.21
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	19	0.21
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	1	0.21
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	2	0.21
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	4	0.21
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	13	0.21
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	18	0.21
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	26	0.21
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	9	0.21
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	20	0.21
(3,640)	1:106:A:VAL:H	1:107:A:HIS:H	25	0.21
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	5	0.21
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	9	0.21
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	10	0.21
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	2	0.21
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	18	0.21
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	26	0.21
(3,617)	1:98:A:ASP:H	1:97:A:PHE:HB3	27	0.21
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	7	0.21
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	12	0.21
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	20	0.21
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	9	0.21
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	17	0.21
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	18	0.21
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	21	0.21
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	27	0.21
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	10	0.21
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	29	0.21
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	5	0.21
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	10	0.21
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	12	0.21
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	20	0.21
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	23	0.21
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	26	0.21
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	2	0.21
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	15	0.21
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	24	0.21
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	29	0.21
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	5	0.21
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	23	0.21
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	26	0.21
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	28	0.21
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	14	0.21
(3,542)	1:71:A:LEU:H	1:70:A:TYR:HB2	2	0.21
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	17	0.21
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	16	0.21
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	2	0.21
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	13	0.21
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	26	0.21
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	28	0.21
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	10	0.21
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	12	0.21
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	18	0.21
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	6	0.21
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	8	0.21
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	27	0.21
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	16	0.21
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	23	0.21
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	13	0.21
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	24	0.21
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	11	0.21
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	14	0.21
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	15	0.21
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	9	0.21
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	6	0.21
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	9	0.21
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	10	0.21
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	25	0.21
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	8	0.21
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	16	0.21
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	22	0.21
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	26	0.21
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	9	0.21
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	20	0.21
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	27	0.21
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	25	0.21
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	24	0.21
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	23	0.21
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	15	0.21
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	8	0.21
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	7	0.21
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	8	0.21
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	13	0.21
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	12	0.21
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	18	0.21
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	9	0.21
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	24	0.21
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	6	0.21
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	19	0.21
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	21	0.21
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	25	0.21
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	5	0.21
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	11	0.21
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	26	0.21
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	29	0.21
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	3	0.21
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	16	0.21
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	29	0.21
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	3	0.21
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	2	0.21
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	11	0.21
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	16	0.21
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	2	0.21
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	20	0.21
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	1	0.21
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	10	0.21
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	12	0.21
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	19	0.21
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	12	0.21
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	10	0.21
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	9	0.21
(3,80)	1:2:A:ASP:H	1:2:A:ASP:HB2	7	0.21
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	6	0.21
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	19	0.21
(3,31)	1:53:A:VAL:H	1:53:A:VAL:HB	5	0.21
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	25	0.21
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	2	0.21
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	2	0.21
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	2	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	2	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	2	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	2	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	2	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	2	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	19	0.21
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	19	0.21
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	19	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	19	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	19	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	19	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	19	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	19	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	19	0.21
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	20	0.21
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	20	0.21
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	20	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	20	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	20	0.21
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	20	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	20	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	20	0.21
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	20	0.21
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,930)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	25	0.21
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	2	0.21
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	2	0.21
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	2	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	2	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	2	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	2	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	2	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	2	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	2	0.21
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	19	0.21
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	19	0.21
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	19	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	19	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	19	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	19	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	19	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	19	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	19	0.21
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	20	0.21
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	20	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	20	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	20	0.21
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	20	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	20	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	20	0.21
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	20	0.21
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,846)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,778)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,700)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,615)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	25	0.21
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,535)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	25	0.21
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,454)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	25	0.21
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,369)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,294)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	25	0.21
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,212)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	12	0.21
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	12	0.21
(2,63)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	12	0.21
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	22	0.21
(1,15838)	1:1:A:ASP:HA	1:2:A:ASP:HB2	16	0.21
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	6	0.21
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	6	0.21
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	6	0.21
(1,15803)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	28	0.21
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	17	0.21
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	17	0.21
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	17	0.21
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	17	0.21
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	17	0.21
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	17	0.21
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	17	0.21
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	17	0.21
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	17	0.21
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HD23	25	0.21
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	22	0.21
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	18	0.21
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	18	0.21
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	18	0.21
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	8	0.21
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	15	0.21
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	5	0.21
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	24	0.21
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	23	0.21
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	26	0.21
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	26	0.21
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	26	0.21
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	27	0.21
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	27	0.21
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	27	0.21
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	2	0.21
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	10	0.21
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	11	0.21
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	23	0.21
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	24	0.21
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	4	0.21
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	4	0.21
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	7	0.21
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	7	0.21
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	7	0.21
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	8	0.21
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	8	0.21
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	8	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	5	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	5	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	5	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	12	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	12	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	12	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	20	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	20	0.21
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	20	0.21
(1,14647)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,14554)	1:93:A:THR:HG22	1:37:A:PRO:HB2	1	0.21
(1,14554)	1:93:A:THR:HG22	1:37:A:PRO:HB2	22	0.21
(1,14501)	1:1:A:ASP:HA	1:2:A:ASP:HB2	16	0.21
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.21
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.21
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.21
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	22	0.21
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	22	0.21
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	22	0.21
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	22	0.21
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	22	0.21
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	22	0.21
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	22	0.21
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	22	0.21
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	22	0.21
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD21	10	0.21
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	8	0.21
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	15	0.21
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,14310)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	19	0.21
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	5	0.21
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	24	0.21
(1,14222)	1:44:A:GLY:H	1:43:A:LYS:HD2	22	0.21
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	15	0.21
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13312)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.21
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.21
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.21
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	22	0.21
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	8	0.21
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	15	0.21
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,12965)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	19	0.21
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	5	0.21
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	24	0.21
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.21
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.21
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(1,11969)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	22	0.21
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	5	0.21
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	24	0.21
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.21
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.21
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	25	0.21
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	16	0.21
(1,10633)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	3	0.21
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	3	0.21
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	3	0.21
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	3	0.21
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	3	0.21
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	3	0.21
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	3	0.21
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	3	0.21
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	3	0.21
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	11	0.21
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	20	0.21
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	24	0.21
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	27	0.21
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.21
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.21
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	5	0.21
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	24	0.21
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.21
(1,9292)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,9146)	1:2:A:ASP:HB2	1:1:A:ASP:HA	16	0.21
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.21
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.21
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.21
(1,9097)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	28	0.21
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	22	0.21
(1,8977)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	3	0.21
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	8	0.21
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	8	0.21
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	8	0.21
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	8	0.21
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.21
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.21
(1,7936)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	11	0.21
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	20	0.21
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	24	0.21
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	27	0.21
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.21
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.21
(1,7757)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.21
(1,7757)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.21
(1,7757)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.21
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	22	0.21
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	22	0.21
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	22	0.21
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	22	0.21
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	22	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	22	0.21
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	22	0.21
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	22	0.21
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	22	0.21
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	5	0.21
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	24	0.21
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	8	0.21
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(1,6587)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.21
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.21
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.21
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.21
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.21
(1,6267)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	3	0.21
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	5	0.21
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	24	0.21
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	7	0.21
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.21
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.21
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	16	0.21
(1,5243)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,5211)	1:18:A:VAL:HG21	1:80:A:GLN:HE21	28	0.21
(1,5211)	1:18:A:VAL:HG22	1:80:A:GLN:HE21	28	0.21
(1,5211)	1:18:A:VAL:HG23	1:80:A:GLN:HE21	28	0.21
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	10	0.21
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	10	0.21
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	10	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	10	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	10	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	10	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	10	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	10	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	10	0.21
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	11	0.21
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	11	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	11	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	11	0.21
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	11	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	11	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	11	0.21
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	11	0.21
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	11	0.21
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	20	0.21
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	24	0.21
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	27	0.21
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.21
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.21
(1,5094)	1:2:A:ASP:HB2	1:1:A:ASP:HA	16	0.21
(1,5066)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.21
(1,5066)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.21
(1,5066)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.21
(1,5057)	1:35:A:LYS:HA	1:36:A:PRO:HD2	5	0.21
(1,5057)	1:35:A:LYS:HA	1:36:A:PRO:HD2	23	0.21
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	5	0.21
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	24	0.21
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.21
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.21
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	16	0.21
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	16	0.21
(1,3903)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,3861)	1:105:A:THR:HA	1:84:A:THR:HA	14	0.21
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.21
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.21
(1,3755)	1:2:A:ASP:HB2	1:1:A:ASP:HA	16	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	14	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	14	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	14	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	14	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	14	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	14	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	14	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	14	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	21	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	21	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	21	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	21	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	21	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	21	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	21	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	21	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	21	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	23	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	23	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	23	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	23	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	23	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	23	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	23	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	23	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	23	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	24	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	24	0.21
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	24	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	24	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	24	0.21
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	24	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	24	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	24	0.21
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	24	0.21
(1,3607)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.21
(1,3607)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.21
(1,3607)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.21
(1,3607)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.21
(1,3607)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.21
(1,3607)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.21
(1,3607)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.21
(1,3607)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.21
(1,3607)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.21
(1,3587)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	3	0.21
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	5	0.21
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	24	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	8	0.21
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.21
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.21
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	4	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	4	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	4	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	7	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	7	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	7	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	8	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	8	0.21
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	8	0.21
(1,2556)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.21
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.21
(1,2411)	1:2:A:ASP:HB2	1:1:A:ASP:HA	16	0.21
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	9	0.21
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	9	0.21
(1,2407)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	9	0.21
(1,2380)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.21
(1,2380)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.21
(1,2380)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.21
(1,2360)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	28	0.21
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	5	0.21
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	24	0.21
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.21
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.21
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	28	0.21
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	28	0.21
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	28	0.21
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	17	0.21
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	17	0.21
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	17	0.21
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	17	0.21
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	17	0.21
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	16	0.21
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	15	0.21
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	15	0.21
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	15	0.21
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	24	0.21
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	24	0.21
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	24	0.21
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	2	0.21
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	4	0.21
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	22	0.21
(1,1215)	1:24:A:PHE:HA	1:12:A:GLN:HG3	16	0.21
(1,1178)	1:105:A:THR:HA	1:84:A:THR:HA	14	0.21
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.21
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.21
(1,1072)	1:2:A:ASP:HB2	1:1:A:ASP:HA	16	0.21
(1,1043)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.21
(1,1043)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.21
(1,1043)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.21
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	17	0.21
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	5	0.21
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	24	0.21
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	6	0.21
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	14	0.21
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	24	0.21
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	1	0.21
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	8	0.21
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	19	0.21
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	15	0.21
(1,503)	1:44:A:GLY:H	1:43:A:LYS:HG2	9	0.21
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	7	0.21
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	4	0.2
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	4	0.2
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	4	0.2
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	17	0.2
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	17	0.2
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	17	0.2
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	7	0.2
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	7	0.2
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	7	0.2
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	9	0.2
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	9	0.2
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	14	0.2
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	14	0.2
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	14	0.2
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	10	0.2
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	15	0.2
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	16	0.2
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	20	0.2
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	23	0.2
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	28	0.2
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	7	0.2
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	9	0.2
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	16	0.2
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG21	14	0.2
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG22	14	0.2
(3,728)	1:86:A:GLY:H	1:84:A:THR:HG23	14	0.2
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	17	0.2
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	27	0.2
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	10	0.2
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	17	0.2
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	28	0.2
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	21	0.2
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	25	0.2
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	6	0.2
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	14	0.2
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	15	0.2
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	22	0.2
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	25	0.2
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	4	0.2
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	9	0.2
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	4	0.2
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	8	0.2
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	25	0.2
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	6	0.2
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	17	0.2
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	18	0.2
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	29	0.2
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	1	0.2
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	13	0.2
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	19	0.2
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	23	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,622)	1:73:A:GLU:H	1:74:A:LEU:H	29	0.2
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	9	0.2
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	12	0.2
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	22	0.2
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	23	0.2
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	6	0.2
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	7	0.2
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	10	0.2
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	25	0.2
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	10	0.2
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	29	0.2
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	1	0.2
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	7	0.2
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	15	0.2
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	16	0.2
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	22	0.2
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	29	0.2
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	18	0.2
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	16	0.2
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	26	0.2
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	16	0.2
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	27	0.2
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	17	0.2
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	18	0.2
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	22	0.2
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	23	0.2
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	27	0.2
(3,547)	1:46:A:TRP:H	1:46:A:TRP:HB2	3	0.2
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	20	0.2
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	15	0.2
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	16	0.2
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	2	0.2
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	5	0.2
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	25	0.2
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	15	0.2
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	6	0.2
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	9	0.2
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	26	0.2
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	19	0.2
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	25	0.2
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	2	0.2
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	26	0.2
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	2	0.2
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	4	0.2
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	17	0.2
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	24	0.2
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	11	0.2
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	29	0.2
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	11	0.2
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	12	0.2
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	29	0.2
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	5	0.2
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	28	0.2
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	5	0.2
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	7	0.2
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	8	0.2
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	22	0.2
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	8	0.2
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	6	0.2
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	15	0.2
(3,434)	1:46:A:TRP:H	1:46:A:TRP:HB3	3	0.2
(3,434)	1:46:A:TRP:H	1:46:A:TRP:HB3	13	0.2
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	23	0.2
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	14	0.2
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	11	0.2
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	19	0.2
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	24	0.2
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	11	0.2
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	28	0.2
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	7	0.2
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	14	0.2
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	27	0.2
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	9	0.2
(3,337)	1:25:A:SER:H	1:25:A:SER:HB2	29	0.2
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	25	0.2
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	8	0.2
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	2	0.2
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	13	0.2
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	25	0.2
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	3	0.2
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	12	0.2
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	13	0.2
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	21	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	26	0.2
(3,235)	1:51:A:SER:H	1:51:A:SER:HB2	23	0.2
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	20	0.2
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	19	0.2
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	1	0.2
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	3	0.2
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	28	0.2
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	10	0.2
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	7	0.2
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	21	0.2
(3,207)	1:103:A:ASN:HD21	1:103:A:ASN:HB2	1	0.2
(3,207)	1:103:A:ASN:HD21	1:103:A:ASN:HB2	16	0.2
(3,207)	1:103:A:ASN:HD21	1:103:A:ASN:HB2	27	0.2
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	23	0.2
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	26	0.2
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	18	0.2
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	19	0.2
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	17	0.2
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	16	0.2
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	15	0.2
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	25	0.2
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	26	0.2
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	16	0.2
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	23	0.2
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	4	0.2
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	18	0.2
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	22	0.2
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	27	0.2
(3,36)	1:18:A:VAL:H	1:18:A:VAL:HB	1	0.2
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	19	0.2
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	4	0.2
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	10	0.2
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	20	0.2
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	5	0.2
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	5	0.2
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	5	0.2
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	5	0.2
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	5	0.2
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	5	0.2
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	5	0.2
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	5	0.2
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	24	0.2
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	24	0.2
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	24	0.2
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	24	0.2
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	24	0.2
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	24	0.2
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	24	0.2
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	24	0.2
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	24	0.2
(2,859)	1:83:A:PHE:HE1	1:57:A:LEU:HG	13	0.2
(2,859)	1:83:A:PHE:HE2	1:57:A:LEU:HG	13	0.2
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	10	0.2
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	20	0.2
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	5	0.2
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	5	0.2
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	5	0.2
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	5	0.2
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	5	0.2
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	5	0.2
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	5	0.2
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	5	0.2
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	5	0.2
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	24	0.2
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	24	0.2
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	24	0.2
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	24	0.2
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	24	0.2
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	24	0.2
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	24	0.2
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	24	0.2
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	24	0.2
(2,844)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(2,711)	1:83:A:PHE:HE1	1:57:A:LEU:HG	13	0.2
(2,711)	1:83:A:PHE:HE2	1:57:A:LEU:HG	13	0.2
(2,698)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(2,613)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(2,545)	1:83:A:PHE:HE1	1:57:A:LEU:HG	13	0.2
(2,545)	1:83:A:PHE:HE2	1:57:A:LEU:HG	13	0.2
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	10	0.2
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	20	0.2
(2,533)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(2,467)	1:83:A:PHE:HE1	1:57:A:LEU:HG	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,467)	1:83:A:PHE:HE2	1:57:A:LEU:HG	13	0.2
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	10	0.2
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	20	0.2
(2,452)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(2,383)	1:83:A:PHE:HE1	1:57:A:LEU:HG	13	0.2
(2,383)	1:83:A:PHE:HE2	1:57:A:LEU:HG	13	0.2
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	10	0.2
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	20	0.2
(2,367)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(2,306)	1:83:A:PHE:HE1	1:57:A:LEU:HG	13	0.2
(2,306)	1:83:A:PHE:HE2	1:57:A:LEU:HG	13	0.2
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	10	0.2
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	20	0.2
(2,210)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(2,145)	1:83:A:PHE:HE1	1:57:A:LEU:HG	13	0.2
(2,145)	1:83:A:PHE:HE2	1:57:A:LEU:HG	13	0.2
(2,135)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(2,74)	1:83:A:PHE:HE1	1:57:A:LEU:HG	13	0.2
(2,74)	1:83:A:PHE:HE2	1:57:A:LEU:HG	13	0.2
(2,61)	1:83:A:PHE:HA	1:44:A:GLY:HA2	14	0.2
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	9	0.2
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	1	0.2
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	17	0.2
(1,15981)	1:57:A:LEU:HB2	1:53:A:VAL:HA	25	0.2
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	6	0.2
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD11	10	0.2
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD12	10	0.2
(1,15732)	1:53:A:VAL:HG11	1:59:A:LEU:HD13	10	0.2
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD11	10	0.2
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD12	10	0.2
(1,15732)	1:53:A:VAL:HG12	1:59:A:LEU:HD13	10	0.2
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD11	10	0.2
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD12	10	0.2
(1,15732)	1:53:A:VAL:HG13	1:59:A:LEU:HD13	10	0.2
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	19	0.2
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	12	0.2
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	16	0.2
(1,15640)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	27	0.2
(1,15587)	1:27:A:ARG:H	1:9:A:MET:HG2	10	0.2
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	8	0.2
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	20	0.2
(1,15570)	1:50:A:SER:H	1:48:A:ASP:HB2	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	9	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	9	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	9	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	11	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	11	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	11	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	19	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	19	0.2
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	19	0.2
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	6	0.2
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	9	0.2
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	18	0.2
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	27	0.2
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	26	0.2
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	21	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	6	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	6	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	6	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	27	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	27	0.2
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	27	0.2
(1,14691)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.2
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	18	0.2
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	18	0.2
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	18	0.2
(1,14650)	1:57:A:LEU:HB2	1:53:A:VAL:HA	25	0.2
(1,14423)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.2
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD21	19	0.2
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	16	0.2
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	19	0.2
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	14	0.2
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	12	0.2
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	16	0.2
(1,14302)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	27	0.2
(1,14222)	1:44:A:GLY:H	1:43:A:LYS:HD3	17	0.2
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	12	0.2
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	24	0.2
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	25	0.2
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	24	0.2
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	21	0.2
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	29	0.2
(1,13606)	1:96:A:LYS:H	1:96:A:LYS:HG3	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13597)	1:92:A:SER:H	1:91:A:VAL:HG21	25	0.2
(1,13597)	1:92:A:SER:H	1:91:A:VAL:HG22	25	0.2
(1,13597)	1:92:A:SER:H	1:91:A:VAL:HG23	25	0.2
(1,13355)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.2
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	18	0.2
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	18	0.2
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	18	0.2
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	19	0.2
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	12	0.2
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	16	0.2
(1,12958)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	27	0.2
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.2
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.2
(1,12885)	1:50:A:SER:H	1:48:A:ASP:HB2	17	0.2
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.2
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.2
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.2
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	13	0.2
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	21	0.2
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	25	0.2
(1,12015)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.2
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	9	0.2
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	9	0.2
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	9	0.2
(1,11916)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.2
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	12	0.2
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	16	0.2
(1,11621)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	27	0.2
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.2
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.2
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.2
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	11	0.2
(1,10676)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.2
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	18	0.2
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	18	0.2
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	18	0.2
(1,10397)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.2
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	12	0.2
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	27	0.2
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.2
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.2
(1,10183)	1:67:A:SER:H	1:64:A:ASP:HB2	15	0.2
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.2
(1,9333)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.2
(1,9233)	1:53:A:VAL:HA	1:57:A:LEU:HB2	25	0.2
(1,9210)	1:57:A:LEU:HG	1:49:A:LEU:HD21	29	0.2
(1,9210)	1:57:A:LEU:HG	1:49:A:LEU:HD22	29	0.2
(1,9210)	1:57:A:LEU:HG	1:49:A:LEU:HD23	29	0.2
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	13	0.2
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	18	0.2
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	18	0.2
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	18	0.2
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	16	0.2
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	16	0.2
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	16	0.2
(1,8977)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	28	0.2
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.2
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.2
(1,8853)	1:50:A:SER:H	1:48:A:ASP:HB2	17	0.2
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG11	25	0.2
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG12	25	0.2
(1,8781)	1:18:A:VAL:H	1:18:A:VAL:HG13	25	0.2
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	26	0.2
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	10	0.2
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	28	0.2
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	3	0.2
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	3	0.2
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	3	0.2
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	21	0.2
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	21	0.2
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	21	0.2
(1,7981)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.2
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	4	0.2
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	4	0.2
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	4	0.2
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	4	0.2
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	4	0.2
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	4	0.2
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	4	0.2
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	4	0.2
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	29	0.2
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	7	0.2
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	22	0.2
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.2
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.2
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.2
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.2
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.2
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.2
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.2
(1,7693)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	16	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	16	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	16	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	16	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	16	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	16	0.2
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	16	0.2
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	16	0.2
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	16	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	22	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	22	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	22	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	22	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	22	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	22	0.2
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	22	0.2
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	22	0.2
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	22	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	23	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	23	0.2
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	23	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	23	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	23	0.2
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	23	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	23	0.2
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	23	0.2
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	23	0.2
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	12	0.2
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	16	0.2
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	27	0.2
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	29	0.2
(1,7500)	1:50:A:SER:H	1:48:A:ASP:HB2	17	0.2
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG11	25	0.2
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG12	25	0.2
(1,7427)	1:18:A:VAL:H	1:18:A:VAL:HG13	25	0.2
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(1,6628)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.2
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	7	0.2
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	22	0.2
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.2
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	18	0.2
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	18	0.2
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	18	0.2
(1,6267)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	28	0.2
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	12	0.2
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	16	0.2
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	27	0.2
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.2
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.2
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.2
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.2
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.2
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(1,5291)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.2
(1,5157)	1:57:A:LEU:HG	1:49:A:LEU:HD21	29	0.2
(1,5157)	1:57:A:LEU:HG	1:49:A:LEU:HD22	29	0.2
(1,5157)	1:57:A:LEU:HG	1:49:A:LEU:HD23	29	0.2
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	7	0.2
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	22	0.2
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.2
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	1	0.2
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	1	0.2
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.2
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.2
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.2
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.2
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.2
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.2
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	16	0.2
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	16	0.2
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	16	0.2
(1,5057)	1:35:A:LYS:HA	1:36:A:PRO:HD2	7	0.2
(1,5057)	1:35:A:LYS:HA	1:36:A:PRO:HD2	27	0.2
(1,5002)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	16	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	16	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	16	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	16	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	16	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	16	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	16	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	16	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	16	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	22	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	22	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	22	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	22	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	22	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	22	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	22	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	22	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	22	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	23	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	23	0.2
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	23	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	23	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	23	0.2
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	23	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	23	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	23	0.2
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	23	0.2
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	12	0.2
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	27	0.2
(1,4812)	1:50:A:SER:H	1:48:A:ASP:HB2	17	0.2
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG11	25	0.2
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG12	25	0.2
(1,4740)	1:18:A:VAL:H	1:18:A:VAL:HG13	25	0.2
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.2
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.2
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.2
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	8	0.2
(1,3953)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.2
(1,3819)	1:57:A:LEU:HG	1:49:A:LEU:HD21	29	0.2
(1,3819)	1:57:A:LEU:HG	1:49:A:LEU:HD22	29	0.2
(1,3819)	1:57:A:LEU:HG	1:49:A:LEU:HD23	29	0.2
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	7	0.2
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	22	0.2
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.2
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	8	0.2
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	8	0.2
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	8	0.2
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	8	0.2
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	8	0.2
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	8	0.2
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	8	0.2
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	8	0.2
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	8	0.2
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	10	0.2
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	10	0.2
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	10	0.2
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	10	0.2
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	10	0.2
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	10	0.2
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	10	0.2
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	10	0.2
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	10	0.2
(1,3587)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	28	0.2
(1,3550)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	23	0.2
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	12	0.2
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	16	0.2
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	27	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	29	0.2
(1,3466)	1:50:A:SER:H	1:48:A:ASP:HB2	17	0.2
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG11	25	0.2
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG12	25	0.2
(1,3395)	1:18:A:VAL:H	1:18:A:VAL:HG13	25	0.2
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(1,3039)	1:52:A:LYS:H	1:49:A:LEU:HB2	10	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	6	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	6	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	6	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	27	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	27	0.2
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	27	0.2
(1,2475)	1:57:A:LEU:HG	1:49:A:LEU:HD21	29	0.2
(1,2475)	1:57:A:LEU:HG	1:49:A:LEU:HD22	29	0.2
(1,2475)	1:57:A:LEU:HG	1:49:A:LEU:HD23	29	0.2
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	7	0.2
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	22	0.2
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.2
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	18	0.2
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	18	0.2
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	18	0.2
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.2
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.2
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.2
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.2
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.2
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.2
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	16	0.2
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	16	0.2
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	16	0.2
(1,2317)	1:57:A:LEU:HG	1:57:A:LEU:HB2	13	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	16	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	16	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	16	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	16	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	16	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	16	0.2
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	16	0.2
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	16	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	22	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	22	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	22	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	22	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	22	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	22	0.2
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	22	0.2
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	22	0.2
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	22	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	23	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	23	0.2
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	23	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	23	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	23	0.2
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	23	0.2
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	23	0.2
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	23	0.2
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	23	0.2
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	12	0.2
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	16	0.2
(1,2198)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	27	0.2
(1,2122)	1:50:A:SER:H	1:48:A:ASP:HB2	17	0.2
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG11	25	0.2
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG12	25	0.2
(1,2051)	1:18:A:VAL:H	1:18:A:VAL:HG13	25	0.2
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.2
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.2
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.2
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	5	0.2
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	5	0.2
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	5	0.2
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	25	0.2
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	25	0.2
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	25	0.2
(1,1264)	1:49:A:LEU:HA	1:52:A:LYS:HG2	29	0.2
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	7	0.2
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	22	0.2
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	18	0.2
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	18	0.2
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	18	0.2
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	26	0.2
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	26	0.2
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	26	0.2
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.2
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.2
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.2
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	16	0.2
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	16	0.2
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	16	0.2
(1,905)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	4	0.2
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	12	0.2
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	16	0.2
(1,860)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	27	0.2
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	15	0.2
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	26	0.2
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	9	0.2
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	25	0.2
(1,783)	1:50:A:SER:H	1:48:A:ASP:HB2	17	0.2
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG11	25	0.2
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG12	25	0.2
(1,716)	1:18:A:VAL:H	1:18:A:VAL:HG13	25	0.2
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	7	0.2
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	11	0.2
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	24	0.2
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB2	2	0.2
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	17	0.2
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	24	0.2
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	7	0.19
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	7	0.19
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	7	0.19
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	1	0.19
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	2	0.19
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	3	0.19
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	3	0.19
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	3	0.19
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	20	0.19
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	20	0.19
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	20	0.19
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	18	0.19
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	20	0.19
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	25	0.19
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	27	0.19
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	7	0.19
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	13	0.19
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	9	0.19
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	24	0.19
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	4	0.19
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	22	0.19
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	15	0.19
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	11	0.19
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	5	0.19
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	1	0.19
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	7	0.19
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	3	0.19
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	5	0.19
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	11	0.19
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	23	0.19
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	27	0.19
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	28	0.19
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	20	0.19
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	23	0.19
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	4	0.19
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	7	0.19
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	11	0.19
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	14	0.19
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	21	0.19
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	22	0.19
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	27	0.19
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	7	0.19
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	15	0.19
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	28	0.19
(3,623)	1:49:A:LEU:H	1:48:A:ASP:HB3	7	0.19
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	12	0.19
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	27	0.19
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	23	0.19
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	26	0.19
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	29	0.19
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	15	0.19
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	20	0.19
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	19	0.19
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	21	0.19
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	22	0.19
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	3	0.19
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	5	0.19
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	8	0.19
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	11	0.19
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	23	0.19
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	5	0.19
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	8	0.19
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	5	0.19
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	26	0.19
(3,590)	1:44:A:GLY:H	1:87:A:TYR:H	29	0.19
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	12	0.19
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	29	0.19
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	28	0.19
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	4	0.19
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	1	0.19
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	3	0.19
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	5	0.19
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	16	0.19
(3,547)	1:46:A:TRP:H	1:46:A:TRP:HB2	13	0.19
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	15	0.19
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	24	0.19
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	28	0.19
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	1	0.19
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	10	0.19
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	29	0.19
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	9	0.19
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	13	0.19
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	29	0.19
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	24	0.19
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	15	0.19
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	13	0.19
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	5	0.19
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	13	0.19
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	28	0.19
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	12	0.19
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	10	0.19
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	17	0.19
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	2	0.19
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	2	0.19
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	5	0.19
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	16	0.19
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	18	0.19
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	19	0.19
(3,441)	1:50:A:SER:H	1:49:A:LEU:HB3	1	0.19
(3,441)	1:50:A:SER:H	1:49:A:LEU:HB3	29	0.19
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	3	0.19
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	5	0.19
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	13	0.19
(3,426)	1:52:A:LYS:H	1:51:A:SER:HB2	7	0.19
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	15	0.19
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	21	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	1	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	3	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	6	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	10	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	15	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	16	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	19	0.19
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	22	0.19
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	27	0.19
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	14	0.19
(3,372)	1:46:A:TRP:HE1	1:45:A:LYS:HB2	16	0.19
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	8	0.19
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	23	0.19
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	27	0.19
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	7	0.19
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	26	0.19
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	7	0.19
(3,332)	1:26:A:ALA:H	1:25:A:SER:HB3	26	0.19
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	28	0.19
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	23	0.19
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	18	0.19
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	20	0.19
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	23	0.19
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	26	0.19
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	28	0.19
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	15	0.19
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	2	0.19
(3,241)	1:22:A:ILE:H	1:21:A:SER:HB2	9	0.19
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,228)	1:63:A:TYR:H	1:62:A:SER:HB2	12	0.19
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	12	0.19
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	10	0.19
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	15	0.19
(3,207)	1:103:A:ASN:HD21	1:103:A:ASN:HB2	25	0.19
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	11	0.19
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	24	0.19
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	12	0.19
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	23	0.19
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	6	0.19
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	15	0.19
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	2	0.19
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	9	0.19
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	22	0.19
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	1	0.19
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	8	0.19
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	11	0.19
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	14	0.19
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	20	0.19
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	25	0.19
(3,31)	1:53:A:VAL:H	1:53:A:VAL:HB	22	0.19
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	13	0.19
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	17	0.19
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	28	0.19
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	1	0.19
(3,11)	1:84:A:THR:H	1:84:A:THR:HB	22	0.19
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	6	0.19
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	18	0.19
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	18	0.19
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	18	0.19
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	18	0.19
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	18	0.19
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	18	0.19
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	18	0.19
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	18	0.19
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	18	0.19
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	6	0.19
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	18	0.19
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	18	0.19
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	18	0.19
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	18	0.19
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	18	0.19
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	18	0.19
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	18	0.19
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	18	0.19
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	6	0.19
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	6	0.19
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	6	0.19
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	6	0.19
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE1	11	0.19
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE2	11	0.19
(1,16029)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	6	0.19
(1,15985)	1:18:A:VAL:HG21	1:80:A:GLN:HA	27	0.19
(1,15985)	1:18:A:VAL:HG22	1:80:A:GLN:HA	27	0.19
(1,15985)	1:18:A:VAL:HG23	1:80:A:GLN:HA	27	0.19
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	20	0.19
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	2	0.19
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	25	0.19
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	29	0.19
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	29	0.19
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	29	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	3	0.19
(1,15705)	1:102:A:PHE:HA	1:102:A:PHE:HB2	29	0.19
(1,15694)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	26	0.19
(1,15665)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	1	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	3	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	9	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	11	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	20	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	24	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	26	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	27	0.19
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	28	0.19
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	9	0.19
(1,15640)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	13	0.19
(1,15640)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	23	0.19
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	6	0.19
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	25	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	5	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	5	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	5	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	10	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	10	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	10	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	16	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	16	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	16	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	20	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	20	0.19
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	20	0.19
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	1	0.19
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	25	0.19
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	28	0.19
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	23	0.19
(1,15497)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.19
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	24	0.19
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	3	0.19
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	27	0.19
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	7	0.19
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	7	0.19
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	15	0.19
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	15	0.19
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	15	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	2	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	2	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	2	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	20	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	20	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	20	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	25	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	25	0.19
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	25	0.19
(1,14698)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	6	0.19
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	20	0.19
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	2	0.19
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	3	0.19
(1,14362)	1:52:A:LYS:HD3	1:43:A:LYS:HB2	26	0.19
(1,14331)	1:33:A:LEU:HB2	1:33:A:LEU:HG	27	0.19
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	1	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	3	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	9	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	11	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	20	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	24	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	26	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	27	0.19
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	28	0.19
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	9	0.19
(1,14302)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	13	0.19
(1,14302)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	23	0.19
(1,14200)	1:104:A:LEU:H	1:86:A:GLY:HA2	1	0.19
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	3	0.19
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	27	0.19
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	23	0.19
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,13816)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,13328)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	1	0.19
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	3	0.19
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	9	0.19
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	11	0.19
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	20	0.19
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	24	0.19
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	26	0.19
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	27	0.19
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	28	0.19
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	9	0.19
(1,12958)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	13	0.19
(1,12958)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	23	0.19
(1,12874)	1:83:A:PHE:H	1:80:A:GLN:HG3	11	0.19
(1,12810)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.19
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.19
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,12479)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	8	0.19
(1,11984)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.19
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	9	0.19
(1,11621)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	13	0.19
(1,11621)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	23	0.19
(1,11476)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.19
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.19
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	23	0.19
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,11143)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	1	0.19
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	16	0.19
(1,10648)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	15	0.19
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	18	0.19
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.19
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10360)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	1	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	1	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	1	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	1	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	1	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	1	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	1	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	1	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	1	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	12	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	12	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	12	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	12	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	12	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	12	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	12	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	12	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	12	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	25	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	25	0.19
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	25	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	25	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	25	0.19
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	25	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	25	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	25	0.19
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	25	0.19
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	9	0.19
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	13	0.19
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	23	0.19
(1,10188)	1:83:A:PHE:H	1:80:A:GLN:HG3	11	0.19
(1,10126)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.19
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,9797)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.19
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	23	0.19
(1,9307)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	28	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	24	0.19
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,8450)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	29	0.19
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	20	0.19
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	20	0.19
(1,7951)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	9	0.19
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	15	0.19
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	18	0.19
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	6	0.19
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	16	0.19
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE3	27	0.19
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.19
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.19
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.19
(1,7718)	1:96:A:LYS:HB2	1:94:A:LYS:HD2	9	0.19
(1,7656)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.19
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	14	0.19
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	14	0.19
(1,7637)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	14	0.19
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	14	0.19
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	14	0.19
(1,7637)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	14	0.19
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	14	0.19
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	14	0.19
(1,7637)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	14	0.19
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	9	0.19
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	13	0.19
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	23	0.19
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	9	0.19
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	27	0.19
(1,7483)	1:67:A:SER:H	1:64:A:ASP:HB2	28	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,7095)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,6601)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	13	0.19
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	19	0.19
(1,6549)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	29	0.19
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	26	0.19
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	6	0.19
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	16	0.19
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE3	27	0.19
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19
(1,6306)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	1	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	1	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	1	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	1	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	1	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	1	0.19
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	1	0.19
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	1	0.19
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	1	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	12	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	12	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	12	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	12	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	12	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	12	0.19
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	12	0.19
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	12	0.19
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	12	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	25	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	25	0.19
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	25	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	25	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	25	0.19
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	25	0.19
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	25	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	25	0.19
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	25	0.19
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	9	0.19
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	13	0.19
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	23	0.19
(1,6137)	1:83:A:PHE:H	1:80:A:GLN:HG3	11	0.19
(1,6074)	1:35:A:LYS:H	1:35:A:LYS:HE2	28	0.19
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.19
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,5749)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	5	0.19
(1,5258)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	15	0.19
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	18	0.19
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	6	0.19
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	16	0.19
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE3	27	0.19
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.19
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.19
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.19
(1,4967)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.19
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	14	0.19
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	14	0.19
(1,4948)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	14	0.19
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	14	0.19
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	14	0.19
(1,4948)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	14	0.19
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	14	0.19
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	14	0.19
(1,4948)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	14	0.19
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	9	0.19
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	13	0.19
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	23	0.19
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.19
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,4413)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	18	0.19
(1,3953)	1:28:A:VAL:HG23	1:37:A:PRO:HB2	5	0.19
(1,3917)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	6	0.19
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	16	0.19
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE3	27	0.19
(1,3687)	1:96:A:LYS:HB2	1:94:A:LYS:HD2	9	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	1	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	1	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	1	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	1	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	1	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	1	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	1	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	1	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	1	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	20	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	20	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	20	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	20	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	20	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	20	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	20	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	20	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	20	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	25	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	25	0.19
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	25	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	25	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	25	0.19
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	25	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	25	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	25	0.19
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	25	0.19
(1,3625)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.19
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD3	13	0.19
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	23	0.19
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	9	0.19
(1,3453)	1:83:A:PHE:H	1:80:A:GLN:HG3	11	0.19
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19
(1,2965)	1:14:A:GLY:H	1:13:A:ASP:HB2	3	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	2	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	2	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	2	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	20	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	20	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	20	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	25	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	25	0.19
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	25	0.19
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	5	0.19
(1,2570)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	6	0.19
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	16	0.19
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE3	27	0.19
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.19
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.19
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.19
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	19	0.19
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	19	0.19
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	19	0.19
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	19	0.19
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	19	0.19
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	19	0.19
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	19	0.19
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	19	0.19
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	19	0.19
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	23	0.19
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	23	0.19
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	23	0.19
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	23	0.19
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	23	0.19
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	23	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	23	0.19
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	23	0.19
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	23	0.19
(1,2280)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.19
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	14	0.19
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	14	0.19
(1,2262)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	14	0.19
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	14	0.19
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	14	0.19
(1,2262)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	14	0.19
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	14	0.19
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	14	0.19
(1,2262)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	14	0.19
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	9	0.19
(1,2198)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	13	0.19
(1,2198)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	23	0.19
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.19
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,1725)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	4	0.19
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	4	0.19
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	4	0.19
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	5	0.19
(1,1231)	1:68:A:LYS:HE2	1:37:A:PRO:HG2	27	0.19
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	1	0.19
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	18	0.19
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	6	0.19
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	16	0.19
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE3	27	0.19
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	11	0.19
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	11	0.19
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	11	0.19
(1,944)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	26	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	1	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	1	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	1	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	1	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	1	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	1	0.19
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	1	0.19
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	1	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	12	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	12	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	12	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	12	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	12	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	12	0.19
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	12	0.19
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	12	0.19
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	12	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	25	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	25	0.19
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	25	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	25	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	25	0.19
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	25	0.19
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	25	0.19
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	25	0.19
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	25	0.19
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	1	0.19
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	1	0.19
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	1	0.19
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	9	0.19
(1,860)	1:94:A:LYS:HD3	1:94:A:LYS:HG2	13	0.19
(1,860)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	23	0.19
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	9	0.19
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	11	0.19
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	21	0.19
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	29	0.19
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	21	0.19
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	12	0.19
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	5	0.19
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG11	29	0.19
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG12	29	0.19
(1,392)	1:44:A:GLY:H	1:47:A:VAL:HG13	29	0.19
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	14	0.18
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	14	0.18
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	14	0.18
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	2	0.18
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	6	0.18
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	13	0.18
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	21	0.18
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	23	0.18
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	1	0.18
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	5	0.18
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	4	0.18
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	10	0.18
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	12	0.18
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	9	0.18
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	9	0.18
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	12	0.18
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	17	0.18
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	19	0.18
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	22	0.18
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	28	0.18
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	11	0.18
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	24	0.18
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	17	0.18
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	7	0.18
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	22	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	2	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	8	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	16	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	19	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	20	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	23	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	24	0.18
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	25	0.18
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	13	0.18
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	17	0.18
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	21	0.18
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	15	0.18
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	22	0.18
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	23	0.18
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	20	0.18
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	13	0.18
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	28	0.18
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	9	0.18
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	15	0.18
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	24	0.18
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	5	0.18
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	26	0.18
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	29	0.18
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	22	0.18
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	4	0.18
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	7	0.18
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	20	0.18
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	3	0.18
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	17	0.18
(3,580)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	29	0.18
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	25	0.18
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	7	0.18
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	10	0.18
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	13	0.18
(3,565)	1:93:A:THR:H	1:92:A:SER:H	10	0.18
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	2	0.18
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	4	0.18
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	10	0.18
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	21	0.18
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	24	0.18
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	5	0.18
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	6	0.18
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	14	0.18
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	22	0.18
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	23	0.18
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	28	0.18
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	11	0.18
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	26	0.18
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	8	0.18
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	14	0.18
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	15	0.18
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	19	0.18
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	20	0.18
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	25	0.18
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	28	0.18
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	13	0.18
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	24	0.18
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	15	0.18
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	24	0.18
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	10	0.18
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	23	0.18
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	7	0.18
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	11	0.18
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	19	0.18
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	25	0.18
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	16	0.18
(3,491)	1:47:A:VAL:H	1:43:A:LYS:H	26	0.18
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	10	0.18
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	17	0.18
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	1	0.18
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	24	0.18
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	1	0.18
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	24	0.18
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	1	0.18
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	9	0.18
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	18	0.18
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	21	0.18
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	18	0.18
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	8	0.18
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	16	0.18
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	22	0.18
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	23	0.18
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	5	0.18
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	20	0.18
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	5	0.18
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	12	0.18
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	17	0.18
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	23	0.18
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	24	0.18
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	26	0.18
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	2	0.18
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	3	0.18
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	6	0.18
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	19	0.18
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	21	0.18
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	28	0.18
(3,299)	1:44:A:GLY:H	1:87:A:TYR:HA	4	0.18
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	15	0.18
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	28	0.18
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	4	0.18
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	24	0.18
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	19	0.18
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	27	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	24	0.18
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	29	0.18
(3,253)	1:20:A:GLY:H	1:21:A:SER:H	25	0.18
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	14	0.18
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	19	0.18
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	14	0.18
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	23	0.18
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	29	0.18
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	4	0.18
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	5	0.18
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	13	0.18
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	27	0.18
(3,185)	1:50:A:SER:H	1:50:A:SER:HB2	3	0.18
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	7	0.18
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	14	0.18
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	10	0.18
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	6	0.18
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	14	0.18
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	15	0.18
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	17	0.18
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	26	0.18
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	1	0.18
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	14	0.18
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	25	0.18
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	12	0.18
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	12	0.18
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	12	0.18
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	12	0.18
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	12	0.18
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	12	0.18
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	12	0.18
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	12	0.18
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	12	0.18
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	28	0.18
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	28	0.18
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	28	0.18
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	28	0.18
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	28	0.18
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	28	0.18
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	28	0.18
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	28	0.18
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	28	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,891)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	12	0.18
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	12	0.18
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	12	0.18
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	12	0.18
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	12	0.18
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	12	0.18
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	12	0.18
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	12	0.18
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	12	0.18
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	28	0.18
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	28	0.18
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	28	0.18
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	28	0.18
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	28	0.18
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	28	0.18
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	28	0.18
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	28	0.18
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	28	0.18
(2,815)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,737)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,651)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	18	0.18
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,571)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	18	0.18
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	18	0.18
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,411)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	18	0.18
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	18	0.18
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,252)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	18	0.18
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,170)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	18	0.18
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	18	0.18
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	22	0.18
(2,24)	1:73:A:GLU:H	1:61:A:ASP:HB2	14	0.18
(1,16029)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	13	0.18
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	28	0.18
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	29	0.18
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	16	0.18
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	18	0.18
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD13	21	0.18
(1,15803)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	17	0.18
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	20	0.18
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,15665)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.18
(1,15664)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	13	0.18
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	7	0.18
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	12	0.18
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	23	0.18
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	8	0.18
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	10	0.18
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	18	0.18
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	22	0.18
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	23	0.18
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	27	0.18
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	15	0.18
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	15	0.18
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	15	0.18
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	12	0.18
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	13	0.18
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	17	0.18
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	14	0.18
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	17	0.18
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	5	0.18
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	10	0.18
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	12	0.18
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	20	0.18
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	25	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	9	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	9	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	9	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	14	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	14	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	14	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	16	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	16	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	16	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	24	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	24	0.18
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	24	0.18
(1,14698)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	13	0.18
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	29	0.18
(1,14651)	1:33:A:LEU:HA	1:34:A:LEU:HA	28	0.18
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.18
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.18
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.18
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	16	0.18
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	18	0.18
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD13	21	0.18
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	11	0.18
(1,14485)	1:69:A:VAL:HG11	1:29:A:ALA:HA	12	0.18
(1,14485)	1:69:A:VAL:HG12	1:29:A:ALA:HA	12	0.18
(1,14485)	1:69:A:VAL:HG13	1:29:A:ALA:HA	12	0.18
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	4	0.18
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	4	0.18
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	4	0.18
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	9	0.18
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	9	0.18
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	9	0.18
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG3	20	0.18
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	12	0.18
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14331)	1:33:A:LEU:HB2	1:33:A:LEU:HG	5	0.18
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	7	0.18
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	12	0.18
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	23	0.18
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	8	0.18
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	10	0.18
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	18	0.18
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	22	0.18
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	7	0.18
(1,14210)	1:67:A:SER:H	1:64:A:ASP:HB2	19	0.18
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	11	0.18
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	5	0.18
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	10	0.18
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	12	0.18
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	20	0.18
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	25	0.18
(1,13362)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	3	0.18
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	11	0.18
(1,13145)	1:69:A:VAL:HG11	1:29:A:ALA:HA	12	0.18
(1,13145)	1:69:A:VAL:HG12	1:29:A:ALA:HA	12	0.18
(1,13145)	1:69:A:VAL:HG13	1:29:A:ALA:HA	12	0.18
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,12986)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	13	0.18
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	7	0.18
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	12	0.18
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	23	0.18
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	8	0.18
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	18	0.18
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	22	0.18
(1,12874)	1:83:A:PHE:H	1:80:A:GLN:HG3	26	0.18
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.18
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.18
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.18
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,12371)	1:43:A:LYS:H	1:47:A:VAL:HB	13	0.18
(1,12021)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	3	0.18
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.18
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.18
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.18
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	11	0.18
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.18
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.18
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.18
(1,11805)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.18
(1,11805)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.18
(1,11805)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.18
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	8	0.18
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	10	0.18
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	18	0.18
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	22	0.18
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.18
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.18
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.18
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	10	0.18
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	10	0.18
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	10	0.18
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	10	0.18
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	10	0.18
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	10	0.18
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	10	0.18
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	10	0.18
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	10	0.18
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.18
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.18
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.18
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	8	0.18
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	17	0.18
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	25	0.18
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.18
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.18
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.18
(1,10462)	1:69:A:VAL:HG11	1:29:A:ALA:HA	12	0.18
(1,10462)	1:69:A:VAL:HG12	1:29:A:ALA:HA	12	0.18
(1,10462)	1:69:A:VAL:HG13	1:29:A:ALA:HA	12	0.18
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	6	0.18
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	6	0.18
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	6	0.18
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	6	0.18
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	6	0.18
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	6	0.18
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	6	0.18
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	6	0.18
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	6	0.18
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	15	0.18
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	15	0.18
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	15	0.18
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	15	0.18
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	15	0.18
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	15	0.18
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	15	0.18
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	15	0.18
(1,10322)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	26	0.18
(1,10302)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	13	0.18
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	8	0.18
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	10	0.18
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	18	0.18
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	22	0.18
(1,10188)	1:83:A:PHE:H	1:80:A:GLN:HG3	26	0.18
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,9501)	1:65:A:ARG:H	1:65:A:ARG:HG2	9	0.18
(1,9339)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	3	0.18
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.18
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.18
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.18
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	5	0.18
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	14	0.18
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE3	23	0.18
(1,9165)	1:49:A:LEU:HG	1:43:A:LYS:HD3	24	0.18
(1,9118)	1:69:A:VAL:HG11	1:29:A:ALA:HA	12	0.18
(1,9118)	1:69:A:VAL:HG12	1:29:A:ALA:HA	12	0.18
(1,9118)	1:69:A:VAL:HG13	1:29:A:ALA:HA	12	0.18
(1,9097)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	17	0.18
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8875)	1:73:A:GLU:H	1:61:A:ASP:HB2	1	0.18
(1,8875)	1:73:A:GLU:H	1:61:A:ASP:HB2	15	0.18
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD11	11	0.18
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD12	11	0.18
(1,8460)	1:53:A:VAL:H	1:57:A:LEU:HD13	11	0.18
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	3	0.18
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	27	0.18
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	9	0.18
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	9	0.18
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	9	0.18
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	5	0.18
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	5	0.18
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	5	0.18
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	5	0.18
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	5	0.18
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	5	0.18
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	5	0.18
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	5	0.18
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	5	0.18
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	26	0.18
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	26	0.18
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	26	0.18
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	26	0.18
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	26	0.18
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	26	0.18
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	26	0.18
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	26	0.18
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	26	0.18
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.18
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.18
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.18
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	16	0.18
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	8	0.18
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	17	0.18
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	25	0.18
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	11	0.18
(1,7618)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	26	0.18
(1,7598)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	8	0.18
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	10	0.18
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	18	0.18
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	22	0.18
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,6634)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	3	0.18
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	11	0.18
(1,6454)	1:49:A:LEU:HG	1:43:A:LYS:HD3	24	0.18
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG11	13	0.18
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG12	13	0.18
(1,6420)	1:43:A:LYS:HD3	1:47:A:VAL:HG13	13	0.18
(1,6405)	1:69:A:VAL:HG11	1:29:A:ALA:HA	12	0.18
(1,6405)	1:69:A:VAL:HG12	1:29:A:ALA:HA	12	0.18
(1,6405)	1:69:A:VAL:HG13	1:29:A:ALA:HA	12	0.18
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	6	0.18
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	6	0.18
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	6	0.18
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	6	0.18
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	6	0.18
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	6	0.18
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	6	0.18
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	6	0.18
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	6	0.18
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	15	0.18
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	15	0.18
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	15	0.18
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	15	0.18
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	15	0.18
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	15	0.18
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	15	0.18
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	15	0.18
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	8	0.18
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	10	0.18
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	18	0.18
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	22	0.18
(1,6137)	1:83:A:PHE:H	1:80:A:GLN:HG3	26	0.18
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.18
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.18
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.18
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,5247)	1:83:A:PHE:HA	1:44:A:GLY:HA2	10	0.18
(1,5211)	1:18:A:VAL:HG21	1:80:A:GLN:HE21	21	0.18
(1,5211)	1:18:A:VAL:HG22	1:80:A:GLN:HE21	21	0.18
(1,5211)	1:18:A:VAL:HG23	1:80:A:GLN:HE21	21	0.18
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	20	0.18
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	20	0.18
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	20	0.18
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	20	0.18
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	20	0.18
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	20	0.18
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	20	0.18
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	20	0.18
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	20	0.18
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	8	0.18
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	17	0.18
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	25	0.18
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	11	0.18
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	11	0.18
(1,5057)	1:35:A:LYS:HA	1:36:A:PRO:HD2	11	0.18
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,4928)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	26	0.18
(1,4908)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	13	0.18
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	8	0.18
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	10	0.18
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	18	0.18
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	22	0.18
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.18
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.18
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.18
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG11	25	0.18
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG12	25	0.18
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG13	25	0.18
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	11	0.18
(1,3726)	1:69:A:VAL:HG11	1:29:A:ALA:HA	28	0.18
(1,3726)	1:69:A:VAL:HG12	1:29:A:ALA:HA	28	0.18
(1,3726)	1:69:A:VAL:HG13	1:29:A:ALA:HA	28	0.18
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	15	0.18
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	15	0.18
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	15	0.18
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	15	0.18
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	15	0.18
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	15	0.18
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	15	0.18
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	15	0.18
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	15	0.18
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	18	0.18
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	18	0.18
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	18	0.18
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	18	0.18
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	18	0.18
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	18	0.18
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	18	0.18
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	18	0.18
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	18	0.18
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	8	0.18
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	10	0.18
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	18	0.18
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	22	0.18
(1,3453)	1:83:A:PHE:H	1:80:A:GLN:HG3	26	0.18
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	9	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	9	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	9	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	14	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	14	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	14	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	16	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	16	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	16	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	24	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	24	0.18
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	24	0.18
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	3	0.18
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	11	0.18
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	11	0.18
(1,2360)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	17	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	18	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	18	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	18	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	18	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	18	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	18	0.18
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	18	0.18
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	18	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	24	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	24	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	24	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	24	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	24	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	24	0.18
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	24	0.18
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	24	0.18
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	24	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	29	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	29	0.18
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	29	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	29	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	29	0.18
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	29	0.18
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	29	0.18
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	29	0.18
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	29	0.18
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,2242)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	26	0.18
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	8	0.18
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	10	0.18
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	18	0.18
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	22	0.18
(1,2047)	1:35:A:LYS:H	1:35:A:LYS:HE2	19	0.18
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.18
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.18
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.18
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	29	0.18
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	6	0.18
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	6	0.18
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	6	0.18
(1,1264)	1:49:A:LEU:HA	1:52:A:LYS:HG3	13	0.18
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	9	0.18
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	3	0.18
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	11	0.18
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	11	0.18
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	25	0.18
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	25	0.18
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	25	0.18
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	25	0.18
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	25	0.18
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	25	0.18
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	25	0.18
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	25	0.18
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	25	0.18
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	6	0.18
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	6	0.18
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	6	0.18
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	6	0.18
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	6	0.18
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	6	0.18
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	6	0.18
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	6	0.18
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	6	0.18
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	15	0.18
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	15	0.18
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	15	0.18
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	15	0.18
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	15	0.18
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	15	0.18
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	15	0.18
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	15	0.18
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	15	0.18
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	6	0.18
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	8	0.18
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	10	0.18
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	18	0.18
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	22	0.18
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	13	0.18
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	25	0.18
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	28	0.18
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	23	0.18
(1,713)	1:35:A:LYS:H	1:35:A:LYS:HE2	19	0.18
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	5	0.18
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	6	0.18
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	10	0.18
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	16	0.18
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	18	0.18
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	21	0.18
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	20	0.18
(1,112)	1:86:A:GLY:H	1:85:A:GLY:HA2	13	0.18
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	13	0.17
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	13	0.17
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	13	0.17
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	8	0.17
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	23	0.17
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	7	0.17
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	9	0.17
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	16	0.17
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	26	0.17
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	29	0.17
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	1	0.17
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	9	0.17
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	15	0.17
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	26	0.17
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	27	0.17
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	25	0.17
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	2	0.17
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	8	0.17
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	14	0.17
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	21	0.17
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	22	0.17
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	8	0.17
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	13	0.17
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	16	0.17
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	28	0.17
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	2	0.17
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	23	0.17
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	5	0.17
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	1	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	2	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	3	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	4	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	7	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	8	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	13	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	15	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	16	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	18	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	26	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	27	0.17
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	29	0.17
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	4	0.17
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	20	0.17
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	27	0.17
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	17	0.17
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	19	0.17
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	13	0.17
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	15	0.17
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	20	0.17
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	9	0.17
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	4	0.17
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	8	0.17
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	14	0.17
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	2	0.17
(3,639)	1:48:A:ASP:H	1:47:A:VAL:H	25	0.17
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	13	0.17
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	26	0.17
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	28	0.17
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	23	0.17
(3,627)	1:99:A:CYS:H	1:98:A:ASP:HB2	22	0.17
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	1	0.17
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	5	0.17
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	22	0.17
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	20	0.17
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	2	0.17
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	16	0.17
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	17	0.17
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	1	0.17
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	3	0.17
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	7	0.17
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	14	0.17
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	26	0.17
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	29	0.17
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	1	0.17
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	9	0.17
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	11	0.17
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	23	0.17
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	23	0.17
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	17	0.17
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	18	0.17
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	29	0.17
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	2	0.17
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	8	0.17
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	4	0.17
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	21	0.17
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	22	0.17
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	24	0.17
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	3	0.17
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	6	0.17
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	12	0.17
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	19	0.17
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	25	0.17
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	2	0.17
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	17	0.17
(3,500)	1:14:A:GLY:H	1:13:A:ASP:H	3	0.17
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	3	0.17
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	15	0.17
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	25	0.17
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	15	0.17
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	16	0.17
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	22	0.17
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	23	0.17
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	27	0.17
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	28	0.17
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	2	0.17
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	2	0.17
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	21	0.17
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	3	0.17
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	22	0.17
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	26	0.17
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	15	0.17
(3,441)	1:50:A:SER:H	1:49:A:LEU:HB3	9	0.17
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	23	0.17
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	19	0.17
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	10	0.17
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	4	0.17
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	12	0.17
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	25	0.17
(3,394)	1:13:A:ASP:H	1:14:A:GLY:H	29	0.17
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	4	0.17
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	4	0.17
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	5	0.17
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	10	0.17
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	25	0.17
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	28	0.17
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	29	0.17
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	13	0.17
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	17	0.17
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	4	0.17
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	21	0.17
(3,341)	1:38:A:VAL:H	1:37:A:PRO:HB3	18	0.17
(3,331)	1:66:A:ALA:H	1:68:A:LYS:H	1	0.17
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	10	0.17
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	15	0.17
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	19	0.17
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	19	0.17
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	24	0.17
(3,285)	1:63:A:TYR:H	1:62:A:SER:HB3	29	0.17
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	1	0.17
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	8	0.17
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	9	0.17
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	16	0.17
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	18	0.17
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	19	0.17
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	11	0.17
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	22	0.17
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	13	0.17
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	18	0.17
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	19	0.17
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	15	0.17
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	21	0.17
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	29	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	4	0.17
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	5	0.17
(3,241)	1:22:A:ILE:H	1:21:A:SER:HB2	20	0.17
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	10	0.17
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	28	0.17
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	9	0.17
(3,215)	1:103:A:ASN:H	1:103:A:ASN:HB2	3	0.17
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	9	0.17
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	14	0.17
(3,180)	1:21:A:SER:H	1:21:A:SER:HB3	13	0.17
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	19	0.17
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	5	0.17
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	7	0.17
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	22	0.17
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	29	0.17
(3,126)	1:79:A:ALA:H	1:78:A:ASP:H	16	0.17
(3,126)	1:79:A:ALA:H	1:78:A:ASP:H	28	0.17
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	2	0.17
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	4	0.17
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	7	0.17
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	18	0.17
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	21	0.17
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	20	0.17
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	24	0.17
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	9	0.17
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	21	0.17
(3,31)	1:53:A:VAL:H	1:53:A:VAL:HB	27	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	2	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	3	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	4	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	12	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	18	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	20	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	23	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	24	0.17
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	29	0.17
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	6	0.17
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	6	0.17
(2,936)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	6	0.17
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	6	0.17
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	6	0.17
(2,936)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	6	0.17
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	6	0.17
(2,936)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	6	0.17
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD11	6	0.17
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD12	6	0.17
(2,851)	1:26:A:ALA:HB1	1:49:A:LEU:HD13	6	0.17
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD11	6	0.17
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD12	6	0.17
(2,851)	1:26:A:ALA:HB2	1:49:A:LEU:HD13	6	0.17
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD11	6	0.17
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD12	6	0.17
(2,851)	1:26:A:ALA:HB3	1:49:A:LEU:HD13	6	0.17
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	9	0.17
(2,844)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,808)	1:51:A:SER:H	1:49:A:LEU:HG	29	0.17
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	9	0.17
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	9	0.17
(2,698)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,613)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,533)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,511)	1:93:A:THR:HG21	1:36:A:PRO:HD2	7	0.17
(2,511)	1:93:A:THR:HG22	1:36:A:PRO:HD2	7	0.17
(2,511)	1:93:A:THR:HG23	1:36:A:PRO:HD2	7	0.17
(2,452)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,433)	1:93:A:THR:HG21	1:36:A:PRO:HD2	7	0.17
(2,433)	1:93:A:THR:HG22	1:36:A:PRO:HD2	7	0.17
(2,433)	1:93:A:THR:HG23	1:36:A:PRO:HD2	7	0.17
(2,402)	1:51:A:SER:H	1:49:A:LEU:HG	29	0.17
(2,367)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,210)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	28	0.17
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	28	0.17
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	28	0.17
(2,135)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	28	0.17
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	28	0.17
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	28	0.17
(2,61)	1:83:A:PHE:HA	1:44:A:GLY:HA2	27	0.17
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	28	0.17
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	28	0.17
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	28	0.17
(1,16074)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	22	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	10	0.17
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	14	0.17
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	3	0.17
(1,15848)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB2	5	0.17
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB2	5	0.17
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB2	5	0.17
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	22	0.17
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	22	0.17
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	22	0.17
(1,15726)	1:33:A:LEU:HA	1:33:A:LEU:HG	7	0.17
(1,15702)	1:55:A:GLN:HA	1:55:A:GLN:HG3	28	0.17
(1,15665)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.17
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	2	0.17
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	5	0.17
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	6	0.17
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	16	0.17
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	17	0.17
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	21	0.17
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	29	0.17
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	2	0.17
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	7	0.17
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	15	0.17
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	26	0.17
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	28	0.17
(1,15571)	1:50:A:SER:H	1:51:A:SER:HA	16	0.17
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	8	0.17
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	19	0.17
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	12	0.17
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	12	0.17
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	12	0.17
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	18	0.17
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	18	0.17
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	18	0.17
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	5	0.17
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	13	0.17
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	23	0.17
(1,14917)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.17
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	21	0.17
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	21	0.17
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	21	0.17
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD11	6	0.17
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD12	6	0.17
(1,14659)	1:57:A:LEU:HG	1:49:A:LEU:HD13	6	0.17
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	10	0.17
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	14	0.17
(1,14554)	1:93:A:THR:HG22	1:37:A:PRO:HB2	14	0.17
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	5	0.17
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	9	0.17
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	27	0.17
(1,14511)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,14497)	1:52:A:LYS:HD3	1:52:A:LYS:HA	13	0.17
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	3	0.17
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	3	0.17
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	3	0.17
(1,14466)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.17
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	14	0.17
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	14	0.17
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	14	0.17
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	14	0.17
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	14	0.17
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	14	0.17
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	14	0.17
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	14	0.17
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	14	0.17
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	7	0.17
(1,14370)	1:55:A:GLN:HA	1:55:A:GLN:HG3	28	0.17
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	3	0.17
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	9	0.17
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	19	0.17
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	23	0.17
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	28	0.17
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	29	0.17
(1,14331)	1:33:A:LEU:HB2	1:33:A:LEU:HG	23	0.17
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	2	0.17
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	5	0.17
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	6	0.17
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	17	0.17
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	21	0.17
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	29	0.17
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	6	0.17
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	2	0.17
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	7	0.17
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	15	0.17
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	26	0.17
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	28	0.17
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	2	0.17
(1,14226)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.17
(1,14222)	1:44:A:GLY:H	1:43:A:LYS:HD2	23	0.17
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	14	0.17
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	29	0.17
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	7	0.17
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	23	0.17
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	3	0.17
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	13	0.17
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	5	0.17
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	9	0.17
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	27	0.17
(1,13172)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,13126)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.17
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	2	0.17
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	5	0.17
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	6	0.17
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	16	0.17
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	17	0.17
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	21	0.17
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	29	0.17
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	2	0.17
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	7	0.17
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	15	0.17
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	26	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	28	0.17
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.17
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.17
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.17
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,12598)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.17
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	12	0.17
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	5	0.17
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	9	0.17
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	27	0.17
(1,11832)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.17
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.17
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.17
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.17
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.17
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.17
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	12	0.17
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	12	0.17
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	12	0.17
(1,11680)	1:33:A:LEU:HD11	1:33:A:LEU:HA	18	0.17
(1,11680)	1:33:A:LEU:HD12	1:33:A:LEU:HA	18	0.17
(1,11680)	1:33:A:LEU:HD13	1:33:A:LEU:HA	18	0.17
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	21	0.17
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	21	0.17
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	21	0.17
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	2	0.17
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	7	0.17
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	15	0.17
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	26	0.17
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	28	0.17
(1,11550)	1:50:A:SER:H	1:48:A:ASP:HB2	7	0.17
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.17
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,11262)	1:2:A:ASP:H	1:96:A:LYS:HG3	13	0.17
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	13	0.17
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	6	0.17
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG21	27	0.17
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG22	27	0.17
(1,10605)	1:93:A:THR:HG21	1:91:A:VAL:HG23	27	0.17
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG21	27	0.17
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG22	27	0.17
(1,10605)	1:93:A:THR:HG22	1:91:A:VAL:HG23	27	0.17
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG21	27	0.17
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG22	27	0.17
(1,10605)	1:93:A:THR:HG23	1:91:A:VAL:HG23	27	0.17
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	10	0.17
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	29	0.17
(1,10492)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,10441)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.17
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.17
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.17
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.17
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.17
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.17
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.17
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.17
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.17
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.17
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	12	0.17
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	12	0.17
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	12	0.17
(1,10332)	1:33:A:LEU:HD11	1:33:A:LEU:HA	18	0.17
(1,10332)	1:33:A:LEU:HD12	1:33:A:LEU:HA	18	0.17
(1,10332)	1:33:A:LEU:HD13	1:33:A:LEU:HA	18	0.17
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	21	0.17
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	21	0.17
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	21	0.17
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	2	0.17
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	7	0.17
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	15	0.17
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	26	0.17
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	28	0.17
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.17
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD3	18	0.17
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.17
(1,9501)	1:65:A:ARG:H	1:65:A:ARG:HG2	21	0.17
(1,9148)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,9053)	1:57:A:LEU:HG	1:57:A:LEU:HB2	26	0.17
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	12	0.17
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	12	0.17
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	12	0.17
(1,8988)	1:33:A:LEU:HD11	1:33:A:LEU:HA	18	0.17
(1,8988)	1:33:A:LEU:HD12	1:33:A:LEU:HA	18	0.17
(1,8988)	1:33:A:LEU:HD13	1:33:A:LEU:HA	18	0.17
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	21	0.17
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	21	0.17
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	21	0.17
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG21	10	0.17
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG22	10	0.17
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG23	10	0.17
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.17
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.17
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	13	0.17
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD3	18	0.17
(1,8197)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.17
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	15	0.17
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	17	0.17
(1,8124)	1:2:A:ASP:H	1:2:A:ASP:HB2	8	0.17
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	17	0.17
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	17	0.17
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	17	0.17
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	18	0.17
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	18	0.17
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	18	0.17
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	6	0.17
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	6	0.17
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	6	0.17
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	6	0.17
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	6	0.17
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	6	0.17
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	6	0.17
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	6	0.17
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	6	0.17
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	14	0.17
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	23	0.17
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	10	0.17
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	29	0.17
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	9	0.17
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	12	0.17
(1,7787)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.17
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.17
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.17
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	14	0.17
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	14	0.17
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	14	0.17
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	14	0.17
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	14	0.17
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	14	0.17
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	14	0.17
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	14	0.17
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	14	0.17
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	12	0.17
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	12	0.17
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	12	0.17
(1,7628)	1:33:A:LEU:HD11	1:33:A:LEU:HA	18	0.17
(1,7628)	1:33:A:LEU:HD12	1:33:A:LEU:HA	18	0.17
(1,7628)	1:33:A:LEU:HD13	1:33:A:LEU:HA	18	0.17
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	21	0.17
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	21	0.17
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	21	0.17
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	2	0.17
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	15	0.17
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	26	0.17
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	28	0.17
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	3	0.17
(1,7423)	1:35:A:LYS:H	1:35:A:LYS:HE2	20	0.17
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,6770)	1:2:A:ASP:H	1:2:A:ASP:HB2	8	0.17
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	22	0.17
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	9	0.17
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	12	0.17
(1,6437)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,6386)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.17
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.17
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.17
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.17
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.17
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.17
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.17
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.17
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.17
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.17
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	12	0.17
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	12	0.17
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	12	0.17
(1,6278)	1:33:A:LEU:HD11	1:33:A:LEU:HA	18	0.17
(1,6278)	1:33:A:LEU:HD12	1:33:A:LEU:HA	18	0.17
(1,6278)	1:33:A:LEU:HD13	1:33:A:LEU:HA	18	0.17
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	21	0.17
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	21	0.17
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	21	0.17
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	2	0.17
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	7	0.17
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	15	0.17
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	26	0.17
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	28	0.17
(1,6215)	1:43:A:LYS:HD2	1:43:A:LYS:HG2	21	0.17
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.17
(1,6150)	1:50:A:SER:H	1:48:A:ASP:HB2	27	0.17
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.17
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,5501)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.17
(1,5211)	1:18:A:VAL:HG21	1:80:A:GLN:HE21	23	0.17
(1,5211)	1:18:A:VAL:HG22	1:80:A:GLN:HE21	23	0.17
(1,5211)	1:18:A:VAL:HG23	1:80:A:GLN:HE21	23	0.17
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	10	0.17
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	12	0.17
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	12	0.17
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	12	0.17
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	12	0.17
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	12	0.17
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	12	0.17
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	12	0.17
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	12	0.17
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	12	0.17
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	10	0.17
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	29	0.17
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	5	0.17
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	9	0.17
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	27	0.17
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	9	0.17
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	12	0.17
(1,5096)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.17
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.17
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.17
(1,5046)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.17
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	2	0.17
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	7	0.17
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	15	0.17
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	26	0.17
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	28	0.17
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.17
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	2	0.17
(1,4164)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.17
(1,4092)	1:2:A:ASP:H	1:2:A:ASP:HB2	8	0.17
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	9	0.17
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	12	0.17
(1,3757)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	10	0.17
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	10	0.17
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	10	0.17
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	15	0.17
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	15	0.17
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	15	0.17
(1,3707)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.17
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	12	0.17
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	12	0.17
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	12	0.17
(1,3598)	1:33:A:LEU:HD11	1:33:A:LEU:HA	18	0.17
(1,3598)	1:33:A:LEU:HD12	1:33:A:LEU:HA	18	0.17
(1,3598)	1:33:A:LEU:HD13	1:33:A:LEU:HA	18	0.17
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	21	0.17
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	21	0.17
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	21	0.17
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	2	0.17
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	7	0.17
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	15	0.17
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	26	0.17
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	28	0.17
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	3	0.17
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,2743)	1:2:A:ASP:H	1:2:A:ASP:HB2	8	0.17
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	21	0.17
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	21	0.17
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	21	0.17
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	26	0.17
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	9	0.17
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	27	0.17
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	9	0.17
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	12	0.17
(1,2413)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.17
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.17
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.17
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	6	0.17
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	6	0.17
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	6	0.17
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	6	0.17
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	6	0.17
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	6	0.17
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	6	0.17
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	6	0.17
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	6	0.17
(1,2223)	1:33:A:LEU:HB2	1:33:A:LEU:HG	28	0.17
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	2	0.17
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	7	0.17
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	15	0.17
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	26	0.17
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	28	0.17
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.17
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	23	0.17
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD3	18	0.17
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	26	0.17
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	5	0.17
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	9	0.17
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	27	0.17
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	9	0.17
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	12	0.17
(1,1073)	1:2:A:ASP:HB2	1:96:A:LYS:HE3	1	0.17
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	18	0.17
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	18	0.17
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:22:A:ILE:HD12	1:104:A:LEU:HB2	7	0.17
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD3	26	0.17
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	21	0.17
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	21	0.17
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	21	0.17
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	21	0.17
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	21	0.17
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	21	0.17
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	21	0.17
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	21	0.17
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	21	0.17
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	8	0.17
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	21	0.17
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	22	0.17
(1,886)	1:33:A:LEU:HB2	1:33:A:LEU:HG	28	0.17
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	2	0.17
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	20	0.17
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	26	0.17
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	2	0.17
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	7	0.17
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	15	0.17
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	26	0.17
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	28	0.17
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	7	0.17
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	11	0.17
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	12	0.17
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	28	0.17
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	4	0.17
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	7	0.17
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	21	0.17
(1,146)	1:4:A:ILE:H	1:5:A:GLY:HA2	5	0.17
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	3	0.16
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	3	0.16
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	3	0.16
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	28	0.16
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	6	0.16
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	25	0.16
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	18	0.16
(3,721)	1:104:A:LEU:H	1:86:A:GLY:HA3	14	0.16
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	7	0.16
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	16	0.16
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	19	0.16
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	27	0.16
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	9	0.16
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	17	0.16
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	11	0.16
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	22	0.16
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	1	0.16
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	1	0.16
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	19	0.16
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	24	0.16
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	27	0.16
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	6	0.16
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	10	0.16
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	11	0.16
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	14	0.16
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	21	0.16
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	23	0.16
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	25	0.16
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	22	0.16
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	24	0.16
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	7	0.16
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	21	0.16
(3,648)	1:75:A:HIS:H	1:74:A:LEU:H	3	0.16
(3,642)	1:48:A:ASP:H	1:49:A:LEU:H	4	0.16
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	3	0.16
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	12	0.16
(3,638)	1:29:A:ALA:H	1:28:A:VAL:H	15	0.16
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	4	0.16
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	11	0.16
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	26	0.16
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	7	0.16
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	20	0.16
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	22	0.16
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	24	0.16
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	8	0.16
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	10	0.16
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	14	0.16
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	24	0.16
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	13	0.16
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	28	0.16
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	11	0.16
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,617)	1:98:A:ASP:H	1:97:A:PHE:HB3	15	0.16
(3,614)	1:98:A:ASP:H	1:97:A:PHE:HB2	14	0.16
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	8	0.16
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	16	0.16
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	19	0.16
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	27	0.16
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	11	0.16
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	18	0.16
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	23	0.16
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	26	0.16
(3,600)	1:58:A:GLN:H	1:59:A:LEU:H	14	0.16
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	15	0.16
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	25	0.16
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	11	0.16
(3,591)	1:86:A:GLY:H	1:85:A:GLY:H	22	0.16
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	24	0.16
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	17	0.16
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	19	0.16
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	20	0.16
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	15	0.16
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	21	0.16
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	22	0.16
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	27	0.16
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	15	0.16
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	28	0.16
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	4	0.16
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	14	0.16
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	29	0.16
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	11	0.16
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	2	0.16
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	7	0.16
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	9	0.16
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	12	0.16
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	18	0.16
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	23	0.16
(3,517)	1:47:A:VAL:H	1:46:A:TRP:HB2	29	0.16
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	21	0.16
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	28	0.16
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	20	0.16
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	15	0.16
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	20	0.16
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	3	0.16
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	4	0.16
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	15	0.16
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	16	0.16
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	19	0.16
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	23	0.16
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	1	0.16
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	3	0.16
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	9	0.16
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	22	0.16
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	26	0.16
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	7	0.16
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	21	0.16
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	22	0.16
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	7	0.16
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	10	0.16
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	22	0.16
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	15	0.16
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	20	0.16
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	12	0.16
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	27	0.16
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	8	0.16
(3,441)	1:50:A:SER:H	1:49:A:LEU:HB3	19	0.16
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	27	0.16
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	19	0.16
(3,418)	1:96:A:LYS:H	1:95:A:ASP:HB3	11	0.16
(3,411)	1:10:A:ARG:H	1:10:A:ARG:HB2	23	0.16
(3,408)	1:102:A:PHE:H	1:88:A:ARG:HA	3	0.16
(3,408)	1:102:A:PHE:H	1:88:A:ARG:HA	13	0.16
(3,408)	1:102:A:PHE:H	1:88:A:ARG:HA	20	0.16
(3,408)	1:102:A:PHE:H	1:88:A:ARG:HA	23	0.16
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	4	0.16
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	21	0.16
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	8	0.16
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	19	0.16
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	1	0.16
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	9	0.16
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	11	0.16
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	13	0.16
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	27	0.16
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	5	0.16
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	4	0.16
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	10	0.16
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	2	0.16
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	15	0.16
(3,341)	1:38:A:VAL:H	1:37:A:PRO:HB3	9	0.16
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	2	0.16
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	5	0.16
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	6	0.16
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	14	0.16
(3,312)	1:18:A:VAL:H	1:108:A:GLU:HA	13	0.16
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	13	0.16
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	20	0.16
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	6	0.16
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	9	0.16
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	12	0.16
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	15	0.16
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	29	0.16
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	22	0.16
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	2	0.16
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	9	0.16
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	21	0.16
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	2	0.16
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	16	0.16
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	27	0.16
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	28	0.16
(3,208)	1:61:A:ASP:H	1:60:A:HIS:HB3	14	0.16
(3,207)	1:103:A:ASN:HD21	1:103:A:ASN:HB2	20	0.16
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	6	0.16
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	21	0.16
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	26	0.16
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	1	0.16
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	24	0.16
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	4	0.16
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	13	0.16
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	23	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	5	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	6	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	7	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	9	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	10	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	11	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	16	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	21	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	22	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	26	0.16
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	27	0.16
(2,905)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	5	0.16
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	21	0.16
(2,825)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	5	0.16
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	21	0.16
(2,750)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	5	0.16
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	21	0.16
(2,665)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,584)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,501)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,423)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,342)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,264)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	3	0.16
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	3	0.16
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	3	0.16
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	16	0.16
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	16	0.16
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	16	0.16
(2,182)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	3	0.16
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	3	0.16
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	3	0.16
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	16	0.16
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	16	0.16
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	16	0.16
(2,109)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	3	0.16
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	3	0.16
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	3	0.16
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	16	0.16
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	16	0.16
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	16	0.16
(2,35)	1:41:A:TRP:HA	1:90:A:GLU:HB2	19	0.16
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	14	0.16
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	14	0.16
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD11	17	0.16
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	16	0.16
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	24	0.16
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	27	0.16
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	9	0.16
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	9	0.16
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	9	0.16
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	10	0.16
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	10	0.16
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	10	0.16
(1,15654)	1:104:A:LEU:HG	1:104:A:LEU:HB2	18	0.16
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	1	0.16
(1,15640)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	19	0.16
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	21	0.16
(1,15620)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	17	0.16
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	17	0.16
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	17	0.16
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	29	0.16
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	29	0.16
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	29	0.16
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	7	0.16
(1,15434)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	8	0.16
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	2	0.16
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	11	0.16
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	13	0.16
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	15	0.16
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	19	0.16
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	19	0.16
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	19	0.16
(1,14973)	1:15:A:GLU:H	1:15:A:GLU:HG2	29	0.16
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	29	0.16
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	29	0.16
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	29	0.16
(1,14691)	1:27:A:ARG:HD3	1:9:A:MET:HG2	11	0.16
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB1	14	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB2	14	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB3	14	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB1	19	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB2	19	0.16
(1,14663)	1:80:A:GLN:HG3	1:82:A:ALA:HB3	19	0.16
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD11	17	0.16
(1,14554)	1:93:A:THR:HG22	1:37:A:PRO:HB2	4	0.16
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	22	0.16
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD11	13	0.16
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD12	13	0.16
(1,14488)	1:57:A:LEU:HG	1:74:A:LEU:HD13	13	0.16
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	14	0.16
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	4	0.16
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	13	0.16
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	21	0.16
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	24	0.16
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	26	0.16
(1,14318)	1:104:A:LEU:HG	1:104:A:LEU:HB2	18	0.16
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	11	0.16
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	1	0.16
(1,14302)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	19	0.16
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	21	0.16
(1,14282)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	12	0.16
(1,14084)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	2	0.16
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	11	0.16
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	13	0.16
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	15	0.16
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	17	0.16
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	5	0.16
(1,13624)	1:15:A:GLU:H	1:15:A:GLU:HG2	29	0.16
(1,13509)	1:47:A:VAL:H	1:47:A:VAL:HB	12	0.16
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD11	27	0.16
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD12	27	0.16
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD13	27	0.16
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	5	0.16
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	15	0.16
(1,13365)	1:33:A:LEU:HB2	1:93:A:THR:HA	24	0.16
(1,13355)	1:27:A:ARG:HD3	1:9:A:MET:HG2	11	0.16
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	22	0.16
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	14	0.16
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	14	0.16
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	14	0.16
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	14	0.16
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	14	0.16
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	14	0.16
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	14	0.16
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	14	0.16
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	14	0.16
(1,12973)	1:104:A:LEU:HG	1:104:A:LEU:HB2	18	0.16
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	1	0.16
(1,12958)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	19	0.16
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	21	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12941)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,12747)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	3	0.16
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	14	0.16
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	15	0.16
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	23	0.16
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	24	0.16
(1,12015)	1:27:A:ARG:HD3	1:9:A:MET:HG2	11	0.16
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	22	0.16
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,11787)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	29	0.16
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	1	0.16
(1,11621)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	19	0.16
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	21	0.16
(1,11604)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,11574)	1:58:A:GLN:H	1:74:A:LEU:HA	22	0.16
(1,11552)	1:83:A:PHE:H	1:79:A:ALA:HB1	9	0.16
(1,11552)	1:83:A:PHE:H	1:79:A:ALA:HB2	9	0.16
(1,11552)	1:83:A:PHE:H	1:79:A:ALA:HB3	9	0.16
(1,11544)	1:85:A:GLY:H	1:104:A:LEU:HB2	13	0.16
(1,11412)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,10947)	1:15:A:GLU:H	1:15:A:GLU:HG2	29	0.16
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	6	0.16
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	18	0.16
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	7	0.16
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	7	0.16
(1,10689)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	7	0.16
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	5	0.16
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	15	0.16
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	8	0.16
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	10	0.16
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	14	0.16
(1,10676)	1:27:A:ARG:HD3	1:9:A:MET:HG2	11	0.16
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	2	0.16
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	2	0.16
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	2	0.16
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	2	0.16
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	2	0.16
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	2	0.16
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	2	0.16
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	2	0.16
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	2	0.16
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16
(1,10322)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.16
(1,10322)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.16
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	19	0.16
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	21	0.16
(1,10062)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.16
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.16
(1,9333)	1:27:A:ARG:HD3	1:9:A:MET:HG2	11	0.16
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	12	0.16
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	12	0.16
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	12	0.16
(1,9053)	1:57:A:LEU:HG	1:57:A:LEU:HB2	24	0.16
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG21	27	0.16
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG22	27	0.16
(1,8917)	1:38:A:VAL:H	1:38:A:VAL:HG23	27	0.16
(1,8846)	1:85:A:GLY:H	1:104:A:LEU:HB2	13	0.16
(1,8713)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	8	0.16
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	4	0.16
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	5	0.16
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	5	0.16
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	5	0.16
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	5	0.16
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	15	0.16
(1,7981)	1:27:A:ARG:HD3	1:9:A:MET:HG2	11	0.16
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	13	0.16
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	13	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	2	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	2	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	2	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	2	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	2	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	2	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	2	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	2	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	2	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	13	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	13	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	13	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	13	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	13	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	13	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	13	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	13	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	13	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	15	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	15	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	15	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	15	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	15	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	15	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	15	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	15	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	15	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	24	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	24	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	24	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	24	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	24	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	24	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	24	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	24	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	24	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	25	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	25	0.16
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	25	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	25	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	25	0.16
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	25	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	25	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	25	0.16
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	25	0.16
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	1	0.16
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	10	0.16
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE2	15	0.16
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,7738)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	29	0.16
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16
(1,7618)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.16
(1,7618)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.16
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	1	0.16
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	19	0.16
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	21	0.16
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	23	0.16
(1,7361)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,6628)	1:27:A:ARG:HD3	1:9:A:MET:HG2	11	0.16
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,6568)	1:57:A:LEU:HG	1:49:A:LEU:HB2	26	0.16
(1,6459)	1:49:A:LEU:HG	1:43:A:LYS:HB2	29	0.16
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	10	0.16
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE2	15	0.16
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	2	0.16
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	2	0.16
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	2	0.16
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	2	0.16
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	2	0.16
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	2	0.16
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	2	0.16
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	2	0.16
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	2	0.16
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	1	0.16
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	19	0.16
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	21	0.16
(1,6226)	1:81:A:PRO:HB2	1:81:A:PRO:HA	24	0.16
(1,6207)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,6009)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	18	0.16
(1,5291)	1:27:A:ARG:HD3	1:9:A:MET:HG2	11	0.16
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD2	3	0.16
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	14	0.16
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	14	0.16
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	14	0.16
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	14	0.16
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	14	0.16
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	14	0.16
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	14	0.16
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	14	0.16
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	14	0.16
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	28	0.16
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	28	0.16
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	28	0.16
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	28	0.16
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	28	0.16
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	28	0.16
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	28	0.16
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	28	0.16
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	28	0.16
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	22	0.16
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	10	0.16
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE2	15	0.16
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	12	0.16
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	12	0.16
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	12	0.16
(1,4928)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.16
(1,4928)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.16
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	1	0.16
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	19	0.16
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	21	0.16
(1,4866)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,4673)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	11	0.16
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	22	0.16
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	18	0.16
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,3851)	1:52:A:LYS:HD2	1:48:A:ASP:HB2	12	0.16
(1,3780)	1:49:A:LEU:HG	1:43:A:LYS:HB2	29	0.16
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	10	0.16
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE2	15	0.16
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	9	0.16
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	9	0.16
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	9	0.16
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	9	0.16
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	9	0.16
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	9	0.16
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	9	0.16
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	9	0.16
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	9	0.16
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	27	0.16
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	27	0.16
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	27	0.16
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	27	0.16
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	27	0.16
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	27	0.16
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	27	0.16
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	27	0.16
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	27	0.16
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	15	0.16
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	15	0.16
(1,3550)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	2	0.16
(1,3550)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	15	0.16
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	1	0.16
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	19	0.16
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	21	0.16
(1,3524)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,3328)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	29	0.16
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	29	0.16
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	29	0.16
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	7	0.16
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	7	0.16
(1,2612)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	7	0.16
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD2	3	0.16
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	22	0.16
(1,2436)	1:49:A:LEU:HG	1:43:A:LYS:HB2	29	0.16
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	10	0.16
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE2	15	0.16
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	12	0.16
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	12	0.16
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	12	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	3	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	3	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	3	0.16
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	3	0.16
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	3	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	3	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	3	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	3	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	12	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	12	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	12	0.16
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	12	0.16
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	12	0.16
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	12	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	12	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	12	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	12	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	14	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	14	0.16
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	14	0.16
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	14	0.16
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	14	0.16
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	14	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	14	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	14	0.16
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	14	0.16
(1,2242)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	15	0.16
(1,2242)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	18	0.16
(1,2201)	1:81:A:PRO:HB2	1:81:A:PRO:HA	24	0.16
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	1	0.16
(1,2198)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	19	0.16
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	21	0.16
(1,2180)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,1985)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	19	0.16
(1,1530)	1:15:A:GLU:H	1:15:A:GLU:HG2	29	0.16
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	27	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	27	0.16
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	27	0.16
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	27	0.16
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	27	0.16
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	27	0.16
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	18	0.16
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD1	5	0.16
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD2	5	0.16
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD1	11	0.16
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD2	11	0.16
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD2	3	0.16
(1,1200)	1:57:A:LEU:HG	1:49:A:LEU:HB2	26	0.16
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	22	0.16
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	10	0.16
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE2	15	0.16
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	6	0.16
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	6	0.16
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	6	0.16
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	22	0.16
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	22	0.16
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	22	0.16
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	12	0.16
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	12	0.16
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	12	0.16
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD3	19	0.16
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD3	25	0.16
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD3	27	0.16
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	28	0.16
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	28	0.16
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	28	0.16
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	28	0.16
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	28	0.16
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	28	0.16
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	28	0.16
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	28	0.16
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	28	0.16
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	2	0.16
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	2	0.16
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	2	0.16
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	2	0.16
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	2	0.16
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	2	0.16
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	2	0.16
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	2	0.16
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	1	0.16
(1,860)	1:94:A:LYS:HD3	1:94:A:LYS:HG3	19	0.16
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	21	0.16
(1,842)	1:105:A:THR:H	1:15:A:GLU:HG3	3	0.16
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	16	0.16
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	23	0.16
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	17	0.16
(1,647)	1:67:A:SER:H	1:68:A:LYS:HG3	10	0.16
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	1	0.16
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	9	0.16
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	13	0.16
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	28	0.16
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	3	0.16
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	19	0.16
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	23	0.16
(1,199)	1:15:A:GLU:H	1:15:A:GLU:HG2	29	0.16
(1,112)	1:86:A:GLY:H	1:85:A:GLY:HA2	18	0.16
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	8	0.15
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	8	0.15
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	8	0.15
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	21	0.15
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	21	0.15
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	21	0.15
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	17	0.15
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	4	0.15
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	5	0.15
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	24	0.15
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	17	0.15
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	6	0.15
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	18	0.15
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	24	0.15
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	14	0.15
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	12	0.15
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	6	0.15
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	7	0.15
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	18	0.15
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	23	0.15
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	24	0.15
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	29	0.15
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	6	0.15
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	14	0.15
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	15	0.15
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	21	0.15
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	23	0.15
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	6	0.15
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	17	0.15
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	11	0.15
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	5	0.15
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	7	0.15
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	18	0.15
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	20	0.15
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	29	0.15
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	9	0.15
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	12	0.15
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	25	0.15
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	2	0.15
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	8	0.15
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	12	0.15
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	29	0.15
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	2	0.15
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	3	0.15
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	11	0.15
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	25	0.15
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	27	0.15
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	1	0.15
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	3	0.15
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	5	0.15
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	7	0.15
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	14	0.15
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	26	0.15
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	29	0.15
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	10	0.15
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	17	0.15
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	23	0.15
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	26	0.15
(3,617)	1:98:A:ASP:H	1:97:A:PHE:HB3	28	0.15
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	4	0.15
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	10	0.15
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	11	0.15
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	21	0.15
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	5	0.15
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	16	0.15
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	28	0.15
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	11	0.15
(3,601)	1:85:A:GLY:H	1:86:A:GLY:H	22	0.15
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	14	0.15
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	18	0.15
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	11	0.15
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	15	0.15
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	6	0.15
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	5	0.15
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	11	0.15
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	2	0.15
(3,566)	1:76:A:ILE:H	1:24:A:PHE:H	29	0.15
(3,565)	1:93:A:THR:H	1:92:A:SER:H	3	0.15
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	8	0.15
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	11	0.15
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	19	0.15
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	10	0.15
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	10	0.15
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	12	0.15
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	18	0.15
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	2	0.15
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	7	0.15
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	3	0.15
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	6	0.15
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	13	0.15
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	26	0.15
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	29	0.15
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	10	0.15
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	18	0.15
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	8	0.15
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	12	0.15
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	18	0.15
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	21	0.15
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	22	0.15
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	23	0.15
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	24	0.15
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	8	0.15
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	9	0.15
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	20	0.15
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	21	0.15
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	1	0.15
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	4	0.15
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	9	0.15
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	18	0.15
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	20	0.15
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	20	0.15
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	9	0.15
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	10	0.15
(3,481)	1:95:A:ASP:H	1:94:A:LYS:HB3	9	0.15
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	9	0.15
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	26	0.15
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	11	0.15
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	14	0.15
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	21	0.15
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	11	0.15
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	20	0.15
(3,446)	1:65:A:ARG:H	1:64:A:ASP:HB2	29	0.15
(3,444)	1:78:A:ASP:H	1:78:A:ASP:HB3	6	0.15
(3,441)	1:50:A:SER:H	1:49:A:LEU:HB3	14	0.15
(3,425)	1:41:A:TRP:HE1	1:39:A:VAL:HG21	26	0.15
(3,425)	1:41:A:TRP:HE1	1:39:A:VAL:HG22	26	0.15
(3,425)	1:41:A:TRP:HE1	1:39:A:VAL:HG23	26	0.15
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	9	0.15
(3,408)	1:102:A:PHE:H	1:88:A:ARG:HA	12	0.15
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	2	0.15
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	2	0.15
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	8	0.15
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	11	0.15
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	12	0.15
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	18	0.15
(3,372)	1:46:A:TRP:HE1	1:45:A:LYS:HB2	23	0.15
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	18	0.15
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	21	0.15
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	26	0.15
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	2	0.15
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	22	0.15
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	14	0.15
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	21	0.15
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	1	0.15
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	2	0.15
(3,323)	1:61:A:ASP:H	1:61:A:ASP:HB3	24	0.15
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	3	0.15
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	13	0.15
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	23	0.15
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	24	0.15
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	27	0.15
(3,312)	1:18:A:VAL:H	1:108:A:GLU:HA	24	0.15
(3,299)	1:44:A:GLY:H	1:87:A:TYR:HA	20	0.15
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	18	0.15
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	10	0.15
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	14	0.15
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	17	0.15
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	27	0.15
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	1	0.15
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	21	0.15
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	23	0.15
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	28	0.15
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	10	0.15
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	8	0.15
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	22	0.15
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	25	0.15
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	7	0.15
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	3	0.15
(3,212)	1:62:A:SER:H	1:61:A:ASP:HB3	14	0.15
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	1	0.15
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	8	0.15
(3,208)	1:61:A:ASP:H	1:60:A:HIS:HB3	23	0.15
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	29	0.15
(3,169)	1:53:A:VAL:H	1:52:A:LYS:HA	17	0.15
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	13	0.15
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	14	0.15
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	15	0.15
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	20	0.15
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	28	0.15
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	22	0.15
(3,126)	1:79:A:ALA:H	1:78:A:ASP:H	27	0.15
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	27	0.15
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	3	0.15
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	5	0.15
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	10	0.15
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,36)	1:18:A:VAL:H	1:18:A:VAL:HB	25	0.15
(3,35)	1:66:A:ALA:H	1:66:A:ALA:HA	14	0.15
(2,911)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	6	0.15
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	13	0.15
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	15	0.15
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	23	0.15
(2,844)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,832)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	6	0.15
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	13	0.15
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	15	0.15
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	23	0.15
(2,760)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	6	0.15
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	13	0.15
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	15	0.15
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	23	0.15
(2,698)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,675)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,613)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,595)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,533)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,513)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,511)	1:93:A:THR:HG21	1:36:A:PRO:HD2	11	0.15
(2,511)	1:93:A:THR:HG22	1:36:A:PRO:HD2	11	0.15
(2,511)	1:93:A:THR:HG23	1:36:A:PRO:HD2	11	0.15
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,452)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,435)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,433)	1:93:A:THR:HG21	1:36:A:PRO:HD2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,433)	1:93:A:THR:HG22	1:36:A:PRO:HD2	11	0.15
(2,433)	1:93:A:THR:HG23	1:36:A:PRO:HD2	11	0.15
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,367)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,353)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,275)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,210)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	13	0.15
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	13	0.15
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	13	0.15
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	17	0.15
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	17	0.15
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	17	0.15
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	22	0.15
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	22	0.15
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	22	0.15
(2,194)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,135)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	13	0.15
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	13	0.15
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	13	0.15
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	17	0.15
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	17	0.15
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	17	0.15
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	22	0.15
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	22	0.15
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	22	0.15
(2,121)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(2,61)	1:83:A:PHE:HA	1:44:A:GLY:HA2	16	0.15
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	13	0.15
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	13	0.15
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	13	0.15
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	17	0.15
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	17	0.15
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	22	0.15
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	22	0.15
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	22	0.15
(2,46)	1:61:A:ASP:HB2	1:70:A:TYR:HB2	24	0.15
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE1	23	0.15
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE2	23	0.15
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	18	0.15
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	18	0.15
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	18	0.15
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	29	0.15
(1,15985)	1:18:A:VAL:HG21	1:80:A:GLN:HA	16	0.15
(1,15985)	1:18:A:VAL:HG22	1:80:A:GLN:HA	16	0.15
(1,15985)	1:18:A:VAL:HG23	1:80:A:GLN:HA	16	0.15
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	16	0.15
(1,15886)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.15
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	28	0.15
(1,15838)	1:1:A:ASP:HA	1:2:A:ASP:HB2	14	0.15
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	14	0.15
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	14	0.15
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	14	0.15
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	14	0.15
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	14	0.15
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	14	0.15
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	14	0.15
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	14	0.15
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	14	0.15
(1,15772)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	17	0.15
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	10	0.15
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	29	0.15
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	3	0.15
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	3	0.15
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	3	0.15
(1,15665)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.15
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,15641)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	29	0.15
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	14	0.15
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	20	0.15
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	2	0.15
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	2	0.15
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	28	0.15
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	28	0.15
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	28	0.15
(1,15554)	1:5:A:GLY:H	1:96:A:LYS:HB2	8	0.15
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	13	0.15
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	21	0.15
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	22	0.15
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	1	0.15
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	6	0.15
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	16	0.15
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	19	0.15
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	22	0.15
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	28	0.15
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	12	0.15
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	12	0.15
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	12	0.15
(1,14763)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.15
(1,14763)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.15
(1,14696)	1:13:A:ASP:HA	1:102:A:PHE:HB2	29	0.15
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	16	0.15
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.15
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.15
(1,14602)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.15
(1,14551)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.15
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	28	0.15
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	29	0.15
(1,14504)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.15
(1,14504)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.15
(1,14504)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.15
(1,14504)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.15
(1,14504)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.15
(1,14504)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.15
(1,14504)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.15
(1,14504)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.15
(1,14504)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.15
(1,14501)	1:1:A:ASP:HA	1:2:A:ASP:HB2	14	0.15
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,14438)	1:58:A:GLN:HG2	1:55:A:GLN:HG2	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	8	0.15
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	8	0.15
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	8	0.15
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	8	0.15
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	8	0.15
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	8	0.15
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	8	0.15
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	8	0.15
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	8	0.15
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD22	8	0.15
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD21	20	0.15
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	1	0.15
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	2	0.15
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	5	0.15
(1,14331)	1:33:A:LEU:HB2	1:33:A:LEU:HG	11	0.15
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,14310)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	25	0.15
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	16	0.15
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	14	0.15
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	20	0.15
(1,14294)	1:1:A:ASP:HA	1:1:A:ASP:HB2	13	0.15
(1,14222)	1:44:A:GLY:H	1:43:A:LYS:HD2	3	0.15
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	10	0.15
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	1	0.15
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	6	0.15
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	16	0.15
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	19	0.15
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	22	0.15
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	28	0.15
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD11	23	0.15
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD12	23	0.15
(1,13369)	1:93:A:THR:HB	1:33:A:LEU:HD13	23	0.15
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	1	0.15
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	14	0.15
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	14	0.15
(1,13353)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	14	0.15
(1,13328)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	28	0.15
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	29	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	10	0.15
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	29	0.15
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,12965)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	25	0.15
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	14	0.15
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	20	0.15
(1,12901)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.15
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.15
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,12418)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.15
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	1	0.15
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	26	0.15
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	28	0.15
(1,12079)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.15
(1,12079)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.15
(1,11984)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,11981)	1:33:A:LEU:HG	1:35:A:LYS:HA	28	0.15
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.15
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.15
(1,11924)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.15
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	28	0.15
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	29	0.15
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.15
(1,11823)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.15
(1,11823)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.15
(1,11823)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.15
(1,11823)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.15
(1,11823)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.15
(1,11823)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.15
(1,11823)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.15
(1,11823)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11823)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.15
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,11787)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	21	0.15
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	10	0.15
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	29	0.15
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	4	0.15
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	4	0.15
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	4	0.15
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	13	0.15
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	13	0.15
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	13	0.15
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	29	0.15
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	29	0.15
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	29	0.15
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	14	0.15
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	20	0.15
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.15
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,10891)	1:4:A:ILE:H	1:5:A:GLY:HA2	20	0.15
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	13	0.15
(1,10742)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.15
(1,10742)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.15
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	1	0.15
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	19	0.15
(1,10648)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.15
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.15
(1,10584)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.15
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	20	0.15
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	20	0.15
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	20	0.15
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	20	0.15
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	20	0.15
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	20	0.15
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	20	0.15
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	20	0.15
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	2	0.15
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD3	5	0.15
(1,10534)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.15
(1,10530)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.15
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.15
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	27	0.15
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	27	0.15
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	27	0.15
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	27	0.15
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	27	0.15
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	27	0.15
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	27	0.15
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	27	0.15
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	27	0.15
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	28	0.15
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	28	0.15
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	28	0.15
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	28	0.15
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	28	0.15
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	28	0.15
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	28	0.15
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	28	0.15
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	28	0.15
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	4	0.15
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	4	0.15
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	4	0.15
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	13	0.15
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	13	0.15
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	13	0.15
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	29	0.15
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	29	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	29	0.15
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	14	0.15
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	20	0.15
(1,10218)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.15
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.15
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.15
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.15
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.15
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.15
(1,9550)	1:4:A:ILE:H	1:5:A:GLY:HA2	20	0.15
(1,9398)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.15
(1,9398)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.15
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	15	0.15
(1,9307)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.15
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.15
(1,9242)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.15
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	20	0.15
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	20	0.15
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	20	0.15
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	20	0.15
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	20	0.15
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	20	0.15
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	20	0.15
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	20	0.15
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	20	0.15
(1,9190)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.15
(1,9186)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.15
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	18	0.15
(1,9146)	1:2:A:ASP:HB2	1:1:A:ASP:HA	14	0.15
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	2	0.15
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	2	0.15
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	2	0.15
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	10	0.15
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	29	0.15
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	4	0.15
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	4	0.15
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	4	0.15
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	13	0.15
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	13	0.15
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	13	0.15
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	29	0.15
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	29	0.15
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	29	0.15
(1,8940)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	14	0.15
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,8875)	1:73:A:GLU:H	1:61:A:ASP:HB2	20	0.15
(1,8872)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.15
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,8377)	1:95:A:ASP:H	1:2:A:ASP:HB2	29	0.15
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	18	0.15
(1,8046)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.15
(1,8046)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.15
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	1	0.15
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	1	0.15
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	1	0.15
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	16	0.15
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	16	0.15
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	16	0.15
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	1	0.15
(1,7986)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.15
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	3	0.15
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	3	0.15
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	4	0.15
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	4	0.15
(1,7959)	1:76:A:ILE:HD11	1:24:A:PHE:HE1	22	0.15
(1,7959)	1:76:A:ILE:HD11	1:24:A:PHE:HE2	22	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7959)	1:76:A:ILE:HD12	1:24:A:PHE:HE1	22	0.15
(1,7959)	1:76:A:ILE:HD12	1:24:A:PHE:HE2	22	0.15
(1,7959)	1:76:A:ILE:HD13	1:24:A:PHE:HE1	22	0.15
(1,7959)	1:76:A:ILE:HD13	1:24:A:PHE:HE2	22	0.15
(1,7951)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.15
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.15
(1,7881)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.15
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	6	0.15
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	15	0.15
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	20	0.15
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	20	0.15
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	20	0.15
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	20	0.15
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	20	0.15
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	20	0.15
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	20	0.15
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	20	0.15
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	20	0.15
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	2	0.15
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD3	5	0.15
(1,7827)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.15
(1,7776)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	2	0.15
(1,7776)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	2	0.15
(1,7776)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	2	0.15
(1,7776)	1:69:A:VAL:HG11	1:27:A:ARG:HD2	5	0.15
(1,7776)	1:69:A:VAL:HG12	1:27:A:ARG:HD2	5	0.15
(1,7776)	1:69:A:VAL:HG13	1:27:A:ARG:HD2	5	0.15
(1,7776)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	15	0.15
(1,7776)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	15	0.15
(1,7776)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	15	0.15
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.15
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.15
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.15
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.15
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.15
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.15
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,7738)	1:22:A:ILE:HG21	1:104:A:LEU:HB2	21	0.15
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	8	0.15
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	8	0.15
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	8	0.15
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	8	0.15
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	8	0.15
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	8	0.15
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	8	0.15
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	8	0.15
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	8	0.15
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD21	29	0.15
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD22	29	0.15
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD23	29	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD21	29	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD22	29	0.15
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD23	29	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD21	29	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD22	29	0.15
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD23	29	0.15
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	4	0.15
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	4	0.15
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	4	0.15
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	13	0.15
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	13	0.15
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	13	0.15
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	29	0.15
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	29	0.15
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	29	0.15
(1,7581)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	14	0.15
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	14	0.15
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	20	0.15
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	13	0.15
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	24	0.15
(1,7540)	1:31:A:ALA:H	1:30:A:GLY:HA3	1	0.15
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	16	0.15
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	8	0.15
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	8	0.15
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	8	0.15
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,7020)	1:95:A:ASP:H	1:2:A:ASP:HB2	29	0.15
(1,6842)	1:4:A:ILE:H	1:5:A:GLY:HA2	20	0.15
(1,6601)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	26	0.15
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	20	0.15
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	20	0.15
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	20	0.15
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	20	0.15
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	20	0.15
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	20	0.15
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	20	0.15
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	20	0.15
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	20	0.15
(1,6478)	1:68:A:LYS:HG3	1:68:A:LYS:HA	19	0.15
(1,6474)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.15
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	23	0.15
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	27	0.15
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	27	0.15
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	27	0.15
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	27	0.15
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	27	0.15
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	27	0.15
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	27	0.15
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	27	0.15
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	27	0.15
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	28	0.15
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	28	0.15
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	28	0.15
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	28	0.15
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	28	0.15
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	28	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	28	0.15
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	28	0.15
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	28	0.15
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	4	0.15
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	4	0.15
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	4	0.15
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	13	0.15
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	13	0.15
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	13	0.15
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	29	0.15
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	29	0.15
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	29	0.15
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	14	0.15
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	20	0.15
(1,6226)	1:81:A:PRO:HB2	1:81:A:PRO:HA	8	0.15
(1,6226)	1:81:A:PRO:HB2	1:81:A:PRO:HA	18	0.15
(1,6225)	1:55:A:GLN:HG2	1:55:A:GLN:HB2	29	0.15
(1,6167)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.15
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.15
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,5676)	1:95:A:ASP:H	1:2:A:ASP:HB2	29	0.15
(1,5353)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.15
(1,5353)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.15
(1,5296)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	27	0.15
(1,5258)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	1	0.15
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	1	0.15
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	1	0.15
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	1	0.15
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	1	0.15
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	1	0.15
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	1	0.15
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	1	0.15
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	1	0.15
(1,5185)	1:59:A:LEU:HD11	1:43:A:LYS:HB2	8	0.15
(1,5185)	1:59:A:LEU:HD12	1:43:A:LYS:HB2	8	0.15
(1,5185)	1:59:A:LEU:HD13	1:43:A:LYS:HB2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	20	0.15
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	20	0.15
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	20	0.15
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	20	0.15
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	20	0.15
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	20	0.15
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	20	0.15
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	20	0.15
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	20	0.15
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	2	0.15
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD3	5	0.15
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	28	0.15
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	29	0.15
(1,5094)	1:2:A:ASP:HB2	1:1:A:ASP:HA	14	0.15
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.15
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.15
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.15
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.15
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.15
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.15
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	2	0.15
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	2	0.15
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	2	0.15
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	14	0.15
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	20	0.15
(1,4885)	1:55:A:GLN:HG2	1:55:A:GLN:HB2	29	0.15
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.15
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,4339)	1:95:A:ASP:H	1:2:A:ASP:HB2	29	0.15
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	10	0.15
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	21	0.15
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	25	0.15
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	26	0.15
(1,4207)	1:52:A:LYS:H	1:52:A:LYS:HG2	29	0.15
(1,4014)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.15
(1,4014)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.15
(1,3917)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,3914)	1:33:A:LEU:HG	1:35:A:LYS:HA	28	0.15
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	26	0.15
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG11	1	0.15
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG12	1	0.15
(1,3848)	1:108:A:GLU:HA	1:18:A:VAL:HG13	1	0.15
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	20	0.15
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	20	0.15
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	20	0.15
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	20	0.15
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	20	0.15
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	20	0.15
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	20	0.15
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	20	0.15
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	20	0.15
(1,3796)	1:34:A:LEU:HG	1:35:A:LYS:HG3	7	0.15
(1,3755)	1:2:A:ASP:HB2	1:1:A:ASP:HA	14	0.15
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	22	0.15
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	22	0.15
(1,3640)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	22	0.15
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	22	0.15
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	22	0.15
(1,3640)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	22	0.15
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	22	0.15
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	22	0.15
(1,3640)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	22	0.15
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD21	29	0.15
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD22	29	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD23	29	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD21	29	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD22	29	0.15
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD23	29	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD21	29	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD22	29	0.15
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD23	29	0.15
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	4	0.15
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	4	0.15
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	4	0.15
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	13	0.15
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	13	0.15
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	13	0.15
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	29	0.15
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	29	0.15
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	29	0.15
(1,3550)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	16	0.15
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	14	0.15
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	20	0.15
(1,3542)	1:55:A:GLN:HG2	1:55:A:GLN:HB2	29	0.15
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	13	0.15
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	24	0.15
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,3004)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.15
(1,2991)	1:95:A:ASP:H	1:2:A:ASP:HB2	29	0.15
(1,2664)	1:63:A:TYR:HE1	1:65:A:ARG:HG3	29	0.15
(1,2664)	1:63:A:TYR:HE2	1:65:A:ARG:HG3	29	0.15
(1,2570)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	20	0.15
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	20	0.15
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	20	0.15
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	20	0.15
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	20	0.15
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	20	0.15
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	20	0.15
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	20	0.15
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	28	0.15
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	29	0.15
(1,2411)	1:2:A:ASP:HB2	1:1:A:ASP:HA	14	0.15
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.15
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.15
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.15
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.15
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.15
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.15
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	2	0.15
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	2	0.15
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	2	0.15
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	29	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	1	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	1	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	1	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	1	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	1	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	1	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	1	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	1	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	1	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	2	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	2	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	2	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	2	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	2	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	2	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	2	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	2	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	2	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	4	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	4	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	4	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	4	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	4	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	4	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	4	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	4	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	11	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	11	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	11	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	11	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	11	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	11	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	11	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	11	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	11	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	20	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	20	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	20	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	20	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	20	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	20	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	20	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	20	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	20	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	26	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	26	0.15
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	26	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	26	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	26	0.15
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	26	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	26	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	26	0.15
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	26	0.15
(1,2284)	1:33:A:LEU:HA	1:33:A:LEU:HD11	7	0.15
(1,2284)	1:33:A:LEU:HA	1:33:A:LEU:HD12	7	0.15
(1,2284)	1:33:A:LEU:HA	1:33:A:LEU:HD13	7	0.15
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,2201)	1:81:A:PRO:HB2	1:81:A:PRO:HA	8	0.15
(1,2201)	1:81:A:PRO:HB2	1:81:A:PRO:HA	18	0.15
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	14	0.15
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	20	0.15
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.15
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	24	0.15
(1,1650)	1:95:A:ASP:H	1:2:A:ASP:HB2	29	0.15
(1,1519)	1:52:A:LYS:H	1:52:A:LYS:HG2	29	0.15
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	2	0.15
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	2	0.15
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	2	0.15
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	3	0.15
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	3	0.15
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	3	0.15
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	3	0.15
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	3	0.15
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	3	0.15
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG21	10	0.15
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG22	10	0.15
(1,1273)	1:52:A:LYS:HD3	1:47:A:VAL:HG23	10	0.15
(1,1231)	1:68:A:LYS:HE3	1:37:A:PRO:HG2	23	0.15
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	20	0.15
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	20	0.15
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	20	0.15
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	20	0.15
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	20	0.15
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	20	0.15
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	20	0.15
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	20	0.15
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	20	0.15
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	28	0.15
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	29	0.15
(1,1072)	1:2:A:ASP:HB2	1:1:A:ASP:HA	14	0.15
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	19	0.15
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	19	0.15
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	19	0.15
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	22	0.15
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	22	0.15
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	22	0.15
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	1	0.15
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	1	0.15
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	1	0.15
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	13	0.15
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	13	0.15
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	2	0.15
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	2	0.15
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	2	0.15
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	22	0.15
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD3	23	0.15
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	27	0.15
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	27	0.15
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	27	0.15
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	27	0.15
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	27	0.15
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	27	0.15
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	27	0.15
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	27	0.15
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	27	0.15
(1,948)	1:33:A:LEU:HA	1:33:A:LEU:HD11	7	0.15
(1,948)	1:33:A:LEU:HA	1:33:A:LEU:HD12	7	0.15
(1,948)	1:33:A:LEU:HA	1:33:A:LEU:HD13	7	0.15
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	27	0.15
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	27	0.15
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	27	0.15
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	27	0.15
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	27	0.15
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	27	0.15
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	27	0.15
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	27	0.15
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	27	0.15
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	28	0.15
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	28	0.15
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	28	0.15
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	28	0.15
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	28	0.15
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	28	0.15
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	28	0.15
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	28	0.15
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	28	0.15
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	15	0.15
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	14	0.15
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	20	0.15
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	19	0.15
(1,801)	1:100:A:SER:H	1:89:A:CYS:HB2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:70:A:TYR:H	1:70:A:TYR:HE1	12	0.15
(1,788)	1:70:A:TYR:H	1:70:A:TYR:HE2	12	0.15
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	12	0.15
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	21	0.15
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	10	0.15
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	8	0.15
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	4	0.15
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	15	0.15
(1,330)	1:38:A:VAL:H	1:35:A:LYS:HD3	6	0.15
(1,317)	1:95:A:ASP:H	1:2:A:ASP:HB2	29	0.15
(1,112)	1:86:A:GLY:H	1:85:A:GLY:HA2	2	0.15
(1,112)	1:86:A:GLY:H	1:85:A:GLY:HA2	7	0.15
(1,112)	1:86:A:GLY:H	1:85:A:GLY:HA2	8	0.15
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	15	0.14
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	15	0.14
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	15	0.14
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	19	0.14
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	19	0.14
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	19	0.14
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	8	0.14
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	18	0.14
(3,737)	1:21:A:SER:H	1:21:A:SER:HB2	24	0.14
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	19	0.14
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	13	0.14
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	21	0.14
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	1	0.14
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	8	0.14
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	24	0.14
(3,709)	1:105:A:THR:H	1:104:A:LEU:H	25	0.14
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	3	0.14
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	5	0.14
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	6	0.14
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	23	0.14
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	27	0.14
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	28	0.14
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	1	0.14
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	10	0.14
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	23	0.14
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	26	0.14
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	27	0.14
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	1	0.14
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	3	0.14
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	6	0.14
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	9	0.14
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	17	0.14
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	20	0.14
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	26	0.14
(3,679)	1:104:A:LEU:H	1:103:A:ASN:H	14	0.14
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	5	0.14
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	18	0.14
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	26	0.14
(3,662)	1:97:A:PHE:H	1:96:A:LYS:H	20	0.14
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	28	0.14
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	3	0.14
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	10	0.14
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	1	0.14
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	6	0.14
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	15	0.14
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	5	0.14
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	14	0.14
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	15	0.14
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	26	0.14
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	27	0.14
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	12	0.14
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	17	0.14
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	4	0.14
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	8	0.14
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	16	0.14
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	19	0.14
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	27	0.14
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	5	0.14
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	6	0.14
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	21	0.14
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	2	0.14
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	9	0.14
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	24	0.14
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	25	0.14
(3,603)	1:24:A:PHE:H	1:76:A:ILE:H	4	0.14
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	21	0.14
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	6	0.14
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	1	0.14
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	21	0.14
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	1	0.14
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	13	0.14
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	28	0.14
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	2	0.14
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	4	0.14
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	9	0.14
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	14	0.14
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	6	0.14
(3,565)	1:93:A:THR:H	1:92:A:SER:H	7	0.14
(3,565)	1:93:A:THR:H	1:92:A:SER:H	11	0.14
(3,565)	1:93:A:THR:H	1:92:A:SER:H	16	0.14
(3,565)	1:93:A:THR:H	1:92:A:SER:H	26	0.14
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	26	0.14
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	18	0.14
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	26	0.14
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	24	0.14
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	25	0.14
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	2	0.14
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	13	0.14
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	26	0.14
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	21	0.14
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	11	0.14
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	29	0.14
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	16	0.14
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	4	0.14
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	14	0.14
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	29	0.14
(3,496)	1:60:A:HIS:H	1:59:A:LEU:H	5	0.14
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	29	0.14
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	1	0.14
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	3	0.14
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	28	0.14
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	11	0.14
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	14	0.14
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	15	0.14
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	21	0.14
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	4	0.14
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	8	0.14
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	13	0.14
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	17	0.14
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	18	0.14
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	26	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	4	0.14
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	8	0.14
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	13	0.14
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	17	0.14
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	18	0.14
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	20	0.14
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	18	0.14
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	25	0.14
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	27	0.14
(3,440)	1:79:A:ALA:H	1:78:A:ASP:HB2	16	0.14
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	10	0.14
(3,424)	1:97:A:PHE:H	1:96:A:LYS:HB3	13	0.14
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	27	0.14
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	21	0.14
(3,411)	1:10:A:ARG:H	1:10:A:ARG:HB2	26	0.14
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	8	0.14
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	18	0.14
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	24	0.14
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	11	0.14
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	29	0.14
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	12	0.14
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	20	0.14
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	3	0.14
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	6	0.14
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	15	0.14
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	21	0.14
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	25	0.14
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	20	0.14
(3,329)	1:104:A:LEU:H	1:103:A:ASN:HB3	3	0.14
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	5	0.14
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	7	0.14
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	12	0.14
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	17	0.14
(3,310)	1:63:A:TYR:H	1:63:A:TYR:HB2	21	0.14
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	1	0.14
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	7	0.14
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	12	0.14
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	21	0.14
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	20	0.14
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	26	0.14
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	25	0.14
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	26	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	27	0.14
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	1	0.14
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	7	0.14
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	10	0.14
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	18	0.14
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	20	0.14
(3,256)	1:103:A:ASN:H	1:103:A:ASN:HB3	3	0.14
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	11	0.14
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	25	0.14
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	17	0.14
(3,214)	1:52:A:LYS:H	1:52:A:LYS:HB3	19	0.14
(3,208)	1:61:A:ASP:H	1:60:A:HIS:HB3	21	0.14
(3,208)	1:61:A:ASP:H	1:60:A:HIS:HB3	26	0.14
(3,207)	1:103:A:ASN:HD21	1:103:A:ASN:HB2	24	0.14
(3,177)	1:62:A:SER:H	1:61:A:ASP:HB2	12	0.14
(3,170)	1:48:A:ASP:H	1:47:A:VAL:HG21	25	0.14
(3,170)	1:48:A:ASP:H	1:47:A:VAL:HG22	25	0.14
(3,170)	1:48:A:ASP:H	1:47:A:VAL:HG23	25	0.14
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	24	0.14
(3,129)	1:64:A:ASP:H	1:64:A:ASP:HB3	8	0.14
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	19	0.14
(3,120)	1:48:A:ASP:H	1:48:A:ASP:HB3	26	0.14
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	1	0.14
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	3	0.14
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	6	0.14
(3,80)	1:2:A:ASP:H	1:2:A:ASP:HB2	29	0.14
(3,64)	1:17:A:THR:H	1:17:A:THR:HB	16	0.14
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	24	0.14
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	28	0.14
(3,35)	1:66:A:ALA:H	1:66:A:ALA:HA	27	0.14
(3,31)	1:53:A:VAL:H	1:53:A:VAL:HB	13	0.14
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	28	0.14
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	28	0.14
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	3	0.14
(2,844)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	3	0.14
(2,774)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	0.14
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	3	0.14
(2,698)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14
(2,693)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	0.14
(2,678)	1:48:A:ASP:HB2	1:47:A:VAL:HB	25	0.14
(2,613)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,609)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	0.14
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	28	0.14
(2,533)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14
(2,530)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	0.14
(2,515)	1:48:A:ASP:HB2	1:47:A:VAL:HB	25	0.14
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	28	0.14
(2,452)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14
(2,449)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	9	0.14
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	28	0.14
(2,367)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	28	0.14
(2,210)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14
(2,135)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14
(2,61)	1:83:A:PHE:HA	1:44:A:GLY:HA2	23	0.14
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	1	0.14
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	1	0.14
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	1	0.14
(1,16045)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	6	0.14
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	12	0.14
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	12	0.14
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	12	0.14
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	5	0.14
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	2	0.14
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	2	0.14
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	2	0.14
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB2	4	0.14
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB2	4	0.14
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB2	4	0.14
(1,15803)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	18	0.14
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG11	27	0.14
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG12	27	0.14
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG13	27	0.14
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG11	23	0.14
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG12	23	0.14
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG13	23	0.14
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG11	23	0.14
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG12	23	0.14
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG13	23	0.14
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG11	23	0.14
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG12	23	0.14
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG13	23	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	24	0.14
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	4	0.14
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	4	0.14
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	4	0.14
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD21	13	0.14
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD22	13	0.14
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD23	13	0.14
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	26	0.14
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	23	0.14
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	23	0.14
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	23	0.14
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	24	0.14
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	24	0.14
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	24	0.14
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	4	0.14
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	9	0.14
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	14	0.14
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	24	0.14
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	26	0.14
(1,15116)	1:69:A:VAL:H	1:64:A:ASP:HB2	9	0.14
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	22	0.14
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	22	0.14
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	22	0.14
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	23	0.14
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	23	0.14
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	23	0.14
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	12	0.14
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	12	0.14
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	12	0.14
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14651)	1:33:A:LEU:HA	1:34:A:LEU:HA	18	0.14
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	23	0.14
(1,14497)	1:52:A:LYS:HD3	1:52:A:LYS:HA	12	0.14
(1,14466)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.14
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,14390)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	12	0.14
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	6	0.14
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	27	0.14
(1,14330)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	6	0.14
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	21	0.14
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	24	0.14
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	26	0.14
(1,14276)	1:39:A:VAL:H	1:91:A:VAL:HG21	25	0.14
(1,14276)	1:39:A:VAL:H	1:91:A:VAL:HG22	25	0.14
(1,14276)	1:39:A:VAL:H	1:91:A:VAL:HG23	25	0.14
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	21	0.14
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	4	0.14
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	9	0.14
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	14	0.14
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	24	0.14
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	26	0.14
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	27	0.14
(1,13750)	1:58:A:GLN:HE22	1:76:A:ILE:HG12	14	0.14
(1,13606)	1:96:A:LYS:H	1:96:A:LYS:HG3	29	0.14
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	23	0.14
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	27	0.14
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	27	0.14
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	27	0.14
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,13126)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.14
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	29	0.14
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	29	0.14
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	29	0.14
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	29	0.14
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	29	0.14
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	29	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	29	0.14
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	29	0.14
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	29	0.14
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG11	27	0.14
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG12	27	0.14
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG13	27	0.14
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	24	0.14
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.14
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	11	0.14
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	17	0.14
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	19	0.14
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	24	0.14
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	24	0.14
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	24	0.14
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG11	29	0.14
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG12	29	0.14
(1,12012)	1:43:A:LYS:HE2	1:47:A:VAL:HG13	29	0.14
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	23	0.14
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.14
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.14
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.14
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.14
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.14
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.14
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.14
(1,11805)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.14
(1,11805)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.14
(1,11805)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.14
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,11787)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	13	0.14
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	24	0.14
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	16	0.14
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	16	0.14
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	16	0.14
(1,11651)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	6	0.14
(1,11574)	1:58:A:GLN:H	1:74:A:LEU:HA	27	0.14
(1,11544)	1:85:A:GLY:H	1:104:A:LEU:HB2	7	0.14
(1,11544)	1:85:A:GLY:H	1:104:A:LEU:HB2	8	0.14
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	14	0.14
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	19	0.14
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	22	0.14
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.14
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,10844)	1:65:A:ARG:H	1:65:A:ARG:HG2	5	0.14
(1,10722)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	2	0.14
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	17	0.14
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	20	0.14
(1,10684)	1:33:A:LEU:HB2	1:93:A:THR:HA	22	0.14
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	3	0.14
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	3	0.14
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	3	0.14
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	3	0.14
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	3	0.14
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	3	0.14
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	3	0.14
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	3	0.14
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	3	0.14
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	6	0.14
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	13	0.14
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	19	0.14
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	26	0.14
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.14
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	18	0.14
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	21	0.14
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	28	0.14
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	27	0.14
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	27	0.14
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	27	0.14
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,10441)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.14
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	5	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	5	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	5	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	5	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	5	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	5	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	5	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	5	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	5	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	8	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	8	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	8	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	8	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	8	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	8	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	8	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	8	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	18	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	18	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	18	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	18	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	18	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	18	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	18	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	18	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	18	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	29	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	29	0.14
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	29	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	29	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	29	0.14
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	29	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	29	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	29	0.14
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	29	0.14
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	16	0.14
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	16	0.14
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	16	0.14
(1,10322)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	5	0.14
(1,10322)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	11	0.14
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	1	0.14
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	2	0.14
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	4	0.14
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	12	0.14
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	19	0.14
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	25	0.14
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,9744)	1:69:A:VAL:H	1:64:A:ASP:HB2	9	0.14
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD3	13	0.14
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.14
(1,9501)	1:65:A:ARG:H	1:65:A:ARG:HG2	19	0.14
(1,9378)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	14	0.14
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	3	0.14
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	3	0.14
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	3	0.14
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	3	0.14
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	3	0.14
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	3	0.14
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	3	0.14
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	3	0.14
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	20	0.14
(1,9156)	1:43:A:LYS:HD2	1:57:A:LEU:HG	10	0.14
(1,9156)	1:43:A:LYS:HD2	1:57:A:LEU:HG	13	0.14
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	27	0.14
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	27	0.14
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	27	0.14
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,9111)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	26	0.14
(1,9111)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	26	0.14
(1,9111)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	26	0.14
(1,9097)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	18	0.14
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,9053)	1:57:A:LEU:HG	1:57:A:LEU:HB2	11	0.14
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG11	27	0.14
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG12	27	0.14
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG13	27	0.14
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	24	0.14
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	16	0.14
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	16	0.14
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	16	0.14
(1,8977)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	9	0.14
(1,8908)	1:39:A:VAL:H	1:91:A:VAL:HG21	25	0.14
(1,8908)	1:39:A:VAL:H	1:91:A:VAL:HG22	25	0.14
(1,8908)	1:39:A:VAL:H	1:91:A:VAL:HG23	25	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8849)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.14
(1,8846)	1:85:A:GLY:H	1:104:A:LEU:HB2	7	0.14
(1,8846)	1:85:A:GLY:H	1:104:A:LEU:HB2	8	0.14
(1,8777)	1:35:A:LYS:H	1:35:A:LYS:HE2	9	0.14
(1,8777)	1:35:A:LYS:H	1:35:A:LYS:HE2	17	0.14
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,8605)	1:38:A:VAL:H	1:91:A:VAL:HG21	25	0.14
(1,8605)	1:38:A:VAL:H	1:91:A:VAL:HG22	25	0.14
(1,8605)	1:38:A:VAL:H	1:91:A:VAL:HG23	25	0.14
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD3	13	0.14
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	20	0.14
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	22	0.14
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	23	0.14
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	24	0.14
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	14	0.14
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	14	0.14
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	14	0.14
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	7	0.14
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	8	0.14
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	18	0.14
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	21	0.14
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	3	0.14
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	3	0.14
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	3	0.14
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	3	0.14
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	3	0.14
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	3	0.14
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	3	0.14
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	3	0.14
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	3	0.14
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	3	0.14
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	6	0.14
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	13	0.14
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	19	0.14
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	26	0.14
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.14
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.14
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.14
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.14
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.14
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,7738)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	13	0.14
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG11	27	0.14
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG12	27	0.14
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG13	27	0.14
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD11	26	0.14
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD12	26	0.14
(1,7629)	1:59:A:LEU:HD11	1:57:A:LEU:HD13	26	0.14
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD11	26	0.14
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD12	26	0.14
(1,7629)	1:59:A:LEU:HD12	1:57:A:LEU:HD13	26	0.14
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD11	26	0.14
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD12	26	0.14
(1,7629)	1:59:A:LEU:HD13	1:57:A:LEU:HD13	26	0.14
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	16	0.14
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	16	0.14
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	16	0.14
(1,7618)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	5	0.14
(1,7618)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	11	0.14
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	16	0.14
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	18	0.14
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	22	0.14
(1,7496)	1:44:A:GLY:H	1:43:A:LYS:HD2	9	0.14
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	1	0.14
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	1	0.14
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	1	0.14
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	3	0.14
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	3	0.14
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	3	0.14
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	3	0.14
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	3	0.14
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	3	0.14
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	3	0.14
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	3	0.14
(1,6445)	1:43:A:LYS:HD2	1:57:A:LEU:HG	10	0.14
(1,6445)	1:43:A:LYS:HD2	1:57:A:LEU:HG	13	0.14
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	27	0.14
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	27	0.14
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	27	0.14
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,6386)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.14
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG11	27	0.14
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG12	27	0.14
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG13	27	0.14
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	5	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	5	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	5	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	5	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	5	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	5	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	5	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	5	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	5	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	8	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	8	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	8	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	8	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	8	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	8	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	8	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	8	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	18	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	18	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	18	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	18	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	18	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	18	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	18	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	18	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	18	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	29	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	29	0.14
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	29	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	29	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	29	0.14
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	29	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	29	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	29	0.14
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	29	0.14
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	16	0.14
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	16	0.14
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	16	0.14
(1,6267)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	9	0.14
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	3	0.14
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	3	0.14
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	3	0.14
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	23	0.14
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	23	0.14
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	23	0.14
(1,6170)	1:73:A:GLU:H	1:61:A:ASP:HB2	18	0.14
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.14
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,5333)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	2	0.14
(1,5225)	1:57:A:LEU:HG	1:49:A:LEU:HB2	11	0.14
(1,5211)	1:18:A:VAL:HG21	1:80:A:GLN:HE21	13	0.14
(1,5211)	1:18:A:VAL:HG22	1:80:A:GLN:HE21	13	0.14
(1,5211)	1:18:A:VAL:HG23	1:80:A:GLN:HE21	13	0.14
(1,5211)	1:18:A:VAL:HG21	1:80:A:GLN:HE21	17	0.14
(1,5211)	1:18:A:VAL:HG22	1:80:A:GLN:HE21	17	0.14
(1,5211)	1:18:A:VAL:HG23	1:80:A:GLN:HE21	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	18	0.14
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	18	0.14
(1,5205)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	18	0.14
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	18	0.14
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	18	0.14
(1,5205)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	18	0.14
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	18	0.14
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	18	0.14
(1,5205)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	18	0.14
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	27	0.14
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	27	0.14
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	27	0.14
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	27	0.14
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	27	0.14
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	27	0.14
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	27	0.14
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	27	0.14
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	27	0.14
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	3	0.14
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	3	0.14
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	3	0.14
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	3	0.14
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	3	0.14
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	3	0.14
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	3	0.14
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	3	0.14
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	3	0.14
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	3	0.14
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	6	0.14
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	13	0.14
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	19	0.14
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	26	0.14
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	23	0.14
(1,5085)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	12	0.14
(1,5085)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	12	0.14
(1,5085)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	12	0.14
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.14
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.14
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.14
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.14
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.14
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,5059)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	26	0.14
(1,5059)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	26	0.14
(1,5059)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	26	0.14
(1,5046)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.14
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG11	27	0.14
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG12	27	0.14
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG13	27	0.14
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,4928)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	5	0.14
(1,4928)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	11	0.14
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	8	0.14
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	20	0.14
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.14
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	28	0.14
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	3	0.14
(1,3994)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	2	0.14
(1,3953)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	9	0.14
(1,3885)	1:57:A:LEU:HG	1:49:A:LEU:HB2	11	0.14
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	3	0.14
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	3	0.14
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	3	0.14
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	3	0.14
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	3	0.14
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	3	0.14
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	3	0.14
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	3	0.14
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	2	0.14
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	2	0.14
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	2	0.14
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	23	0.14
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	23	0.14
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	23	0.14
(1,3726)	1:69:A:VAL:HG11	1:29:A:ALA:HA	25	0.14
(1,3726)	1:69:A:VAL:HG12	1:29:A:ALA:HA	25	0.14
(1,3726)	1:69:A:VAL:HG13	1:29:A:ALA:HA	25	0.14
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,3707)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.14
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG11	27	0.14
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG12	27	0.14
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG13	27	0.14
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD11	26	0.14
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD12	26	0.14
(1,3599)	1:59:A:LEU:HD11	1:57:A:LEU:HD13	26	0.14
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD11	26	0.14
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD12	26	0.14
(1,3599)	1:59:A:LEU:HD12	1:57:A:LEU:HD13	26	0.14
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD11	26	0.14
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD12	26	0.14
(1,3599)	1:59:A:LEU:HD13	1:57:A:LEU:HD13	26	0.14
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	16	0.14
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	16	0.14
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	16	0.14
(1,3587)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	9	0.14
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	16	0.14
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	19	0.14
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	22	0.14
(1,3391)	1:35:A:LYS:H	1:35:A:LYS:HE2	9	0.14
(1,3391)	1:35:A:LYS:H	1:35:A:LYS:HE2	17	0.14
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	22	0.14
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	22	0.14
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	22	0.14
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	23	0.14
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	23	0.14
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	23	0.14
(1,2541)	1:57:A:LEU:HG	1:49:A:LEU:HB2	11	0.14
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	3	0.14
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	3	0.14
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	3	0.14
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	3	0.14
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	3	0.14
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	3	0.14
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	3	0.14
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	3	0.14
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	3	0.14
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	23	0.14
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	27	0.14
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	27	0.14
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	27	0.14
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.14
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.14
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.14
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.14
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.14
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.14
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,2373)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	26	0.14
(1,2373)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	26	0.14
(1,2373)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	26	0.14
(1,2360)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	18	0.14
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	9	0.14
(1,2301)	1:43:A:LYS:HE2	1:43:A:LYS:HG2	13	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	7	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	7	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	7	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	7	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	7	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	7	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	7	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	7	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	7	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	15	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	15	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	15	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	15	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	15	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	15	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	15	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	15	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	15	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	21	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	21	0.14
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	21	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	21	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	21	0.14
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	21	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	21	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	21	0.14
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	21	0.14
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,2242)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	5	0.14
(1,2242)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	11	0.14
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.14
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	1	0.14
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	2	0.14
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	10	0.14
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	11	0.14
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	15	0.14
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	25	0.14
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD3	13	0.14
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	7	0.14
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	8	0.14
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	12	0.14
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	9	0.14
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	9	0.14
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	9	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	9	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	9	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	9	0.14
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	23	0.14
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	23	0.14
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	23	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	23	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	23	0.14
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	23	0.14
(1,1303)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	2	0.14
(1,1264)	1:49:A:LEU:HA	1:52:A:LYS:HG2	19	0.14
(1,1228)	1:53:A:VAL:HB	1:52:A:LYS:HG2	5	0.14
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	3	0.14
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	3	0.14
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	3	0.14
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	3	0.14
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	3	0.14
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	3	0.14
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	3	0.14
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	3	0.14
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	3	0.14
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	23	0.14
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	27	0.14
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	27	0.14
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	27	0.14
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	5	0.14
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	5	0.14
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	6	0.14
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	6	0.14
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	6	0.14
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	10	0.14
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	10	0.14
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	10	0.14
(1,1037)	1:76:A:ILE:HG21	1:80:A:GLN:HB3	26	0.14
(1,1037)	1:76:A:ILE:HG22	1:80:A:GLN:HB3	26	0.14
(1,1037)	1:76:A:ILE:HG23	1:80:A:GLN:HB3	26	0.14
(1,1024)	1:22:A:ILE:HG23	1:104:A:LEU:HB2	2	0.14
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	23	0.14
(1,1004)	1:96:A:LYS:HB2	1:94:A:LYS:HD3	13	0.14
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG11	27	0.14
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG12	27	0.14
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG13	27	0.14
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	12	0.14
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	12	0.14
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	12	0.14
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	12	0.14
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	12	0.14
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	12	0.14
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	12	0.14
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	12	0.14
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	12	0.14
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	20	0.14
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	20	0.14
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	20	0.14
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	20	0.14
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	20	0.14
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	20	0.14
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	20	0.14
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	20	0.14
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	20	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	5	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	5	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	5	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	5	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	5	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	5	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	5	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	5	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	8	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	8	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	8	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	8	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	8	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	8	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	8	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	8	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	8	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	18	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	18	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	18	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	18	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	18	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	18	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	18	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	18	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	18	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	29	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	29	0.14
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	29	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	29	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	29	0.14
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	29	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	29	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	29	0.14
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	29	0.14
(1,905)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	1	0.14
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	14	0.14
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	2	0.14
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	10	0.14
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	29	0.14
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	9	0.14
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	7	0.14
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	8	0.14
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	12	0.14
(1,67)	1:53:A:VAL:H	1:52:A:LYS:H	19	0.14
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	28	0.13
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	28	0.13
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	28	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	27	0.13
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	27	0.13
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	27	0.13
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	9	0.13
(3,744)	1:24:A:PHE:H	1:24:A:PHE:HB3	11	0.13
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	2	0.13
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	11	0.13
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	19	0.13
(3,736)	1:10:A:ARG:H	1:9:A:MET:HB2	8	0.13
(3,736)	1:10:A:ARG:H	1:9:A:MET:HB2	12	0.13
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	15	0.13
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	29	0.13
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	1	0.13
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	27	0.13
(3,712)	1:85:A:GLY:H	1:106:A:VAL:H	14	0.13
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	11	0.13
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	15	0.13
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	21	0.13
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	2	0.13
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	7	0.13
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	5	0.13
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	10	0.13
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	19	0.13
(3,679)	1:104:A:LEU:H	1:103:A:ASN:H	13	0.13
(3,679)	1:104:A:LEU:H	1:103:A:ASN:H	18	0.13
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	7	0.13
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	2	0.13
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	11	0.13
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	16	0.13
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	22	0.13
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	5	0.13
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	9	0.13
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	10	0.13
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	15	0.13
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	23	0.13
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	26	0.13
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	5	0.13
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	15	0.13
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	22	0.13
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	26	0.13
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	19	0.13
(3,647)	1:54:A:GLY:H	1:58:A:GLN:HE21	22	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,647)	1:54:A:GLY:H	1:58:A:GLN:HE21	28	0.13
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	11	0.13
(3,641)	1:89:A:CYS:H	1:101:A:ASN:HA	23	0.13
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	2	0.13
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	14	0.13
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	15	0.13
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	19	0.13
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	21	0.13
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	29	0.13
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	5	0.13
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	10	0.13
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	21	0.13
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	25	0.13
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	28	0.13
(3,627)	1:99:A:CYS:H	1:98:A:ASP:HB2	21	0.13
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	16	0.13
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	2	0.13
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	10	0.13
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	11	0.13
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	18	0.13
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	21	0.13
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	24	0.13
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	3	0.13
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	9	0.13
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	15	0.13
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	16	0.13
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	29	0.13
(3,617)	1:98:A:ASP:H	1:97:A:PHE:HB3	20	0.13
(3,612)	1:25:A:SER:H	1:26:A:ALA:H	6	0.13
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	4	0.13
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	20	0.13
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	8	0.13
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	3	0.13
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	4	0.13
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	17	0.13
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	8	0.13
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	6	0.13
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	16	0.13
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	13	0.13
(3,565)	1:93:A:THR:H	1:92:A:SER:H	23	0.13
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	19	0.13
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	7	0.13
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	21	0.13
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	4	0.13
(3,533)	1:101:A:ASN:H	1:101:A:ASN:HB2	13	0.13
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	24	0.13
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	4	0.13
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	4	0.13
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	9	0.13
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	12	0.13
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	20	0.13
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	24	0.13
(3,503)	1:100:A:SER:H	1:99:A:CYS:HB3	11	0.13
(3,503)	1:100:A:SER:H	1:99:A:CYS:HB3	13	0.13
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	1	0.13
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	9	0.13
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	22	0.13
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	18	0.13
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	25	0.13
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	27	0.13
(3,484)	1:100:A:SER:H	1:99:A:CYS:HB2	28	0.13
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	19	0.13
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	20	0.13
(3,481)	1:95:A:ASP:H	1:94:A:LYS:HB3	12	0.13
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	16	0.13
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	19	0.13
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	4	0.13
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	6	0.13
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	8	0.13
(3,473)	1:39:A:VAL:H	1:38:A:VAL:H	17	0.13
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	3	0.13
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	4	0.13
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	26	0.13
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	19	0.13
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	16	0.13
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	22	0.13
(3,420)	1:54:A:GLY:H	1:53:A:VAL:H	29	0.13
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	3	0.13
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	15	0.13
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	4	0.13
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	9	0.13
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	12	0.13
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	27	0.13
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	13	0.13
(3,396)	1:102:A:PHE:H	1:102:A:PHE:HB2	19	0.13
(3,377)	1:87:A:TYR:H	1:103:A:ASN:HA	29	0.13
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	7	0.13
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	10	0.13
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	15	0.13
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	20	0.13
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	25	0.13
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	3	0.13
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	6	0.13
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	9	0.13
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	11	0.13
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	23	0.13
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	5	0.13
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	19	0.13
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	28	0.13
(3,356)	1:38:A:VAL:H	1:93:A:THR:HA	11	0.13
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	25	0.13
(3,349)	1:103:A:ASN:HD22	1:103:A:ASN:HB2	23	0.13
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	7	0.13
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	17	0.13
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	23	0.13
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	1	0.13
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	20	0.13
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	26	0.13
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	28	0.13
(3,310)	1:63:A:TYR:H	1:63:A:TYR:HB2	3	0.13
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	17	0.13
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	27	0.13
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	12	0.13
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	4	0.13
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	6	0.13
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	8	0.13
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	17	0.13
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	25	0.13
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	7	0.13
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	17	0.13
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	24	0.13
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	29	0.13
(3,260)	1:61:A:ASP:H	1:60:A:HIS:HB2	28	0.13
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	14	0.13
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	16	0.13
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	19	0.13
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	22	0.13
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	24	0.13
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	24	0.13
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	9	0.13
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	11	0.13
(3,127)	1:86:A:GLY:H	1:85:A:GLY:HA3	29	0.13
(3,126)	1:79:A:ALA:H	1:78:A:ASP:H	3	0.13
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	1	0.13
(3,80)	1:2:A:ASP:H	1:2:A:ASP:HB2	25	0.13
(3,64)	1:17:A:THR:H	1:17:A:THR:HB	24	0.13
(3,42)	1:15:A:GLU:H	1:14:A:GLY:HA3	29	0.13
(3,17)	1:63:A:TYR:H	1:63:A:TYR:HA	8	0.13
(2,939)	1:4:A:ILE:HG21	1:7:A:PHE:HB2	19	0.13
(2,939)	1:4:A:ILE:HG22	1:7:A:PHE:HB2	19	0.13
(2,939)	1:4:A:ILE:HG23	1:7:A:PHE:HB2	19	0.13
(2,937)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	18	0.13
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,887)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,855)	1:4:A:ILE:HG21	1:7:A:PHE:HB2	19	0.13
(2,855)	1:4:A:ILE:HG22	1:7:A:PHE:HB2	19	0.13
(2,855)	1:4:A:ILE:HG23	1:7:A:PHE:HB2	19	0.13
(2,852)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	18	0.13
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	1	0.13
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	14	0.13
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	16	0.13
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	18	0.13
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,811)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	1	0.13
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	14	0.13
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	16	0.13
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	18	0.13
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,734)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	1	0.13
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	14	0.13
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	16	0.13
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	18	0.13
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,648)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,568)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,539)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	18	0.13
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	3	0.13
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	3	0.13
(2,523)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	3	0.13
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,488)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,460)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	18	0.13
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,406)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,374)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	18	0.13
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,326)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG11	3	0.13
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG12	3	0.13
(2,286)	1:45:A:LYS:HG2	1:47:A:VAL:HG13	3	0.13
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,248)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,217)	1:13:A:ASP:HB2	1:12:A:GLN:HB2	18	0.13
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	12	0.13
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	12	0.13
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	12	0.13
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	23	0.13
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	23	0.13
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	23	0.13
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,167)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	12	0.13
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	12	0.13
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	12	0.13
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	23	0.13
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	23	0.13
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	23	0.13
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,95)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	12	0.13
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	12	0.13
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	12	0.13
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	23	0.13
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	23	0.13
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	23	0.13
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	15	0.13
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE1	7	0.13
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE2	7	0.13
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE1	18	0.13
(2,21)	1:79:A:ALA:H	1:83:A:PHE:HE2	18	0.13
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	12	0.13
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	12	0.13
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	12	0.13
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	20	0.13
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	20	0.13
(1,16029)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	11	0.13
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,16001)	1:80:A:GLN:HG2	1:83:A:PHE:HA	10	0.13
(1,15985)	1:18:A:VAL:HG21	1:80:A:GLN:HA	26	0.13
(1,15985)	1:18:A:VAL:HG22	1:80:A:GLN:HA	26	0.13
(1,15985)	1:18:A:VAL:HG23	1:80:A:GLN:HA	26	0.13
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	8	0.13
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	15	0.13
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	17	0.13
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	17	0.13
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	17	0.13
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	21	0.13
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	21	0.13
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	21	0.13
(1,15819)	1:69:A:VAL:HG11	1:29:A:ALA:HA	21	0.13
(1,15819)	1:69:A:VAL:HG12	1:29:A:ALA:HA	21	0.13
(1,15819)	1:69:A:VAL:HG13	1:29:A:ALA:HA	21	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	20	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	20	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	20	0.13
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	20	0.13
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	20	0.13
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	20	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	20	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	20	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	20	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	22	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	22	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	22	0.13
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	22	0.13
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	22	0.13
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	22	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	22	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	22	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	22	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	24	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	24	0.13
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	24	0.13
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	24	0.13
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	24	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	24	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	24	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	24	0.13
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	24	0.13
(1,15756)	1:28:A:VAL:HG21	1:91:A:VAL:HG21	20	0.13
(1,15756)	1:28:A:VAL:HG21	1:91:A:VAL:HG22	20	0.13
(1,15756)	1:28:A:VAL:HG21	1:91:A:VAL:HG23	20	0.13
(1,15756)	1:28:A:VAL:HG22	1:91:A:VAL:HG21	20	0.13
(1,15756)	1:28:A:VAL:HG22	1:91:A:VAL:HG22	20	0.13
(1,15756)	1:28:A:VAL:HG22	1:91:A:VAL:HG23	20	0.13
(1,15756)	1:28:A:VAL:HG23	1:91:A:VAL:HG21	20	0.13
(1,15756)	1:28:A:VAL:HG23	1:91:A:VAL:HG22	20	0.13
(1,15756)	1:28:A:VAL:HG23	1:91:A:VAL:HG23	20	0.13
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.13
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.13
(1,15753)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.13
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG11	21	0.13
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG12	21	0.13
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG13	21	0.13
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG11	21	0.13
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG12	21	0.13
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG13	21	0.13
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG11	21	0.13
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG12	21	0.13
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG13	21	0.13
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG11	22	0.13
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG12	22	0.13
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG13	22	0.13
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG11	22	0.13
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG12	22	0.13
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG13	22	0.13
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG11	22	0.13
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG12	22	0.13
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG13	22	0.13
(1,15702)	1:55:A:GLN:HA	1:55:A:GLN:HG2	7	0.13
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD21	24	0.13
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD22	24	0.13
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD23	24	0.13
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	6	0.13
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	7	0.13
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	7	0.13
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15556)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.13
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	4	0.13
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	5	0.13
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	26	0.13
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,15413)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	8	0.13
(1,15239)	1:71:A:LEU:H	1:72:A:PHE:HB2	18	0.13
(1,14917)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.13
(1,14698)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	11	0.13
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,14651)	1:33:A:LEU:HA	1:34:A:LEU:HA	6	0.13
(1,14651)	1:33:A:LEU:HA	1:34:A:LEU:HA	24	0.13
(1,14485)	1:69:A:VAL:HG11	1:29:A:ALA:HA	17	0.13
(1,14485)	1:69:A:VAL:HG12	1:29:A:ALA:HA	17	0.13
(1,14485)	1:69:A:VAL:HG13	1:29:A:ALA:HA	17	0.13
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	8	0.13
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	8	0.13
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	8	0.13
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	25	0.13
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	25	0.13
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	25	0.13
(1,14421)	1:28:A:VAL:HG21	1:91:A:VAL:HG21	20	0.13
(1,14421)	1:28:A:VAL:HG21	1:91:A:VAL:HG22	20	0.13
(1,14421)	1:28:A:VAL:HG21	1:91:A:VAL:HG23	20	0.13
(1,14421)	1:28:A:VAL:HG22	1:91:A:VAL:HG21	20	0.13
(1,14421)	1:28:A:VAL:HG22	1:91:A:VAL:HG22	20	0.13
(1,14421)	1:28:A:VAL:HG22	1:91:A:VAL:HG23	20	0.13
(1,14421)	1:28:A:VAL:HG23	1:91:A:VAL:HG21	20	0.13
(1,14421)	1:28:A:VAL:HG23	1:91:A:VAL:HG22	20	0.13
(1,14421)	1:28:A:VAL:HG23	1:91:A:VAL:HG23	20	0.13
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	1	0.13
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	1	0.13
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	1	0.13
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	1	0.13
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	1	0.13
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	1	0.13
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	1	0.13
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	1	0.13
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD21	22	0.13
(1,14370)	1:55:A:GLN:HA	1:55:A:GLN:HG2	7	0.13
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	14	0.13
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	15	0.13
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	20	0.13
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	25	0.13
(1,14330)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	24	0.13
(1,14310)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	23	0.13
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	3	0.13
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	5	0.13
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	18	0.13
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	20	0.13
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	6	0.13
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	1	0.13
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,14062)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	8	0.13
(1,13887)	1:71:A:LEU:H	1:72:A:PHE:HB2	18	0.13
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	1	0.13
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	15	0.13
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	23	0.13
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	7	0.13
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	29	0.13
(1,13362)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	26	0.13
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,13145)	1:69:A:VAL:HG11	1:29:A:ALA:HA	17	0.13
(1,13145)	1:69:A:VAL:HG12	1:29:A:ALA:HA	17	0.13
(1,13145)	1:69:A:VAL:HG13	1:29:A:ALA:HA	17	0.13
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	7	0.13
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	7	0.13
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	7	0.13
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	7	0.13
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	7	0.13
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	7	0.13
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	7	0.13
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	7	0.13
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.13
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.13
(1,13074)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.13
(1,12965)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	23	0.13
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	6	0.13
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG21	22	0.13
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG22	22	0.13
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG23	22	0.13
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.13
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.13
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,12725)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,12418)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.13
(1,12336)	1:87:A:TYR:H	1:87:A:TYR:HD1	21	0.13
(1,12336)	1:87:A:TYR:H	1:87:A:TYR:HD2	21	0.13
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	6	0.13
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	18	0.13
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	27	0.13
(1,12265)	1:96:A:LYS:H	1:96:A:LYS:HG3	13	0.13
(1,12050)	1:49:A:LEU:HD21	1:53:A:VAL:H	29	0.13
(1,12050)	1:49:A:LEU:HD22	1:53:A:VAL:H	29	0.13
(1,12050)	1:49:A:LEU:HD23	1:53:A:VAL:H	29	0.13
(1,12021)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	26	0.13
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.13
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.13
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.13
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.13
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	2	0.13
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	2	0.13
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11651)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	24	0.13
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	6	0.13
(1,11574)	1:58:A:GLN:H	1:74:A:LEU:HA	8	0.13
(1,11544)	1:85:A:GLY:H	1:104:A:LEU:HB2	21	0.13
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG21	22	0.13
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG22	22	0.13
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG23	22	0.13
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	3	0.13
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	15	0.13
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	16	0.13
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	21	0.13
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	26	0.13
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	29	0.13
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.13
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.13
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,11389)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,10927)	1:96:A:LYS:H	1:96:A:LYS:HG3	13	0.13
(1,10712)	1:49:A:LEU:HD21	1:53:A:VAL:H	29	0.13
(1,10712)	1:49:A:LEU:HD22	1:53:A:VAL:H	29	0.13
(1,10712)	1:49:A:LEU:HD23	1:53:A:VAL:H	29	0.13
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	7	0.13
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	29	0.13
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	9	0.13
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	14	0.13
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	21	0.13
(1,10554)	1:9:A:MET:HA	1:27:A:ARG:HD2	22	0.13
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.13
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	2	0.13
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	11	0.13
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	15	0.13
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	17	0.13
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	22	0.13
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	23	0.13
(1,10462)	1:69:A:VAL:HG11	1:29:A:ALA:HA	17	0.13
(1,10462)	1:69:A:VAL:HG12	1:29:A:ALA:HA	17	0.13
(1,10462)	1:69:A:VAL:HG13	1:29:A:ALA:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	3	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	3	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	3	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	3	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	3	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	3	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	3	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	3	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	3	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	4	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	4	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	4	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	4	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	4	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	4	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	4	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	4	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	4	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	9	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	9	0.13
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	9	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	9	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	9	0.13
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	9	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	9	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	9	0.13
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	9	0.13
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	2	0.13
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	2	0.13
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	2	0.13
(1,10322)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	12	0.13
(1,10322)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	13	0.13
(1,10322)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	23	0.13
(1,10322)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	24	0.13
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	6	0.13
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	9	0.13
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	10	0.13
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	13	0.13
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	17	0.13
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	18	0.13
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	26	0.13
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	28	0.13
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	29	0.13
(1,10193)	1:85:A:GLY:H	1:104:A:LEU:HB2	14	0.13
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,10039)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.13
(1,9653)	1:87:A:TYR:H	1:87:A:TYR:HD1	21	0.13
(1,9653)	1:87:A:TYR:H	1:87:A:TYR:HD2	21	0.13
(1,9585)	1:96:A:LYS:H	1:96:A:LYS:HG3	13	0.13
(1,9355)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	26	0.13
(1,9339)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	26	0.13
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,9248)	1:43:A:LYS:HD3	1:49:A:LEU:HD11	24	0.13
(1,9248)	1:43:A:LYS:HD3	1:49:A:LEU:HD12	24	0.13
(1,9248)	1:43:A:LYS:HD3	1:49:A:LEU:HD13	24	0.13
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	2	0.13
(1,9118)	1:69:A:VAL:HG11	1:29:A:ALA:HA	17	0.13
(1,9118)	1:69:A:VAL:HG12	1:29:A:ALA:HA	17	0.13
(1,9118)	1:69:A:VAL:HG13	1:29:A:ALA:HA	17	0.13
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,9053)	1:57:A:LEU:HG	1:57:A:LEU:HB2	17	0.13
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.13
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.13
(1,9047)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.13
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	2	0.13
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	2	0.13
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	2	0.13
(1,8977)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	7	0.13
(1,8846)	1:85:A:GLY:H	1:104:A:LEU:HB2	21	0.13
(1,8837)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.13
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,8692)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,8305)	1:87:A:TYR:H	1:87:A:TYR:HD1	21	0.13
(1,8305)	1:87:A:TYR:H	1:87:A:TYR:HD2	21	0.13
(1,8232)	1:96:A:LYS:H	1:96:A:LYS:HG3	13	0.13
(1,8197)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.13
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	7	0.13
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	12	0.13
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	28	0.13
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	28	0.13
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	28	0.13
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	7	0.13
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	29	0.13
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	19	0.13
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	19	0.13
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	19	0.13
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	19	0.13
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	19	0.13
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	19	0.13
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	19	0.13
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	19	0.13
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	19	0.13
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD11	21	0.13
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD12	21	0.13
(1,7899)	1:74:A:LEU:HD21	1:59:A:LEU:HD13	21	0.13
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD11	21	0.13
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD12	21	0.13
(1,7899)	1:74:A:LEU:HD22	1:59:A:LEU:HD13	21	0.13
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD11	21	0.13
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD12	21	0.13
(1,7899)	1:74:A:LEU:HD23	1:59:A:LEU:HD13	21	0.13
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	2	0.13
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	3	0.13
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	4	0.13
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	20	0.13
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	9	0.13
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	14	0.13
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	21	0.13
(1,7850)	1:9:A:MET:HA	1:27:A:ARG:HD2	22	0.13
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.13
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.13
(1,7687)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.13
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	1	0.13
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	1	0.13
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	1	0.13
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	1	0.13
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	1	0.13
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	1	0.13
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	1	0.13
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	1	0.13
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	1	0.13
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	2	0.13
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	2	0.13
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	2	0.13
(1,7618)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	12	0.13
(1,7618)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	13	0.13
(1,7618)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	23	0.13
(1,7618)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	24	0.13
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	6	0.13
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	2	0.13
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	5	0.13
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	17	0.13
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	26	0.13
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	1	0.13
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	5	0.13
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	9	0.13
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	3	0.13
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	3	0.13
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	3	0.13
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	6	0.13
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	6	0.13
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	6	0.13
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,7340)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,6949)	1:87:A:TYR:H	1:87:A:TYR:HD1	21	0.13
(1,6949)	1:87:A:TYR:H	1:87:A:TYR:HD2	21	0.13
(1,6878)	1:96:A:LYS:H	1:96:A:LYS:HG3	13	0.13
(1,6634)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	26	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	5	0.13
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	9	0.13
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	10	0.13
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	16	0.13
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	17	0.13
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	19	0.13
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	27	0.13
(1,6435)	1:2:A:ASP:HB2	1:1:A:ASP:HA	8	0.13
(1,6405)	1:69:A:VAL:HG11	1:29:A:ALA:HA	17	0.13
(1,6405)	1:69:A:VAL:HG12	1:29:A:ALA:HA	17	0.13
(1,6405)	1:69:A:VAL:HG13	1:29:A:ALA:HA	17	0.13
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.13
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.13
(1,6336)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	3	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	3	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	3	0.13
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	3	0.13
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	3	0.13
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	3	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	3	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	3	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	3	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	4	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	4	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	4	0.13
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	4	0.13
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	4	0.13
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	4	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	4	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	4	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	4	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	9	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	9	0.13
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	9	0.13
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	9	0.13
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	9	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	9	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	9	0.13
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	9	0.13
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	2	0.13
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	2	0.13
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	2	0.13
(1,6267)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	7	0.13
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	6	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	1	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	1	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	1	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	10	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	10	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	10	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	16	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	16	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	16	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	22	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	22	0.13
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	22	0.13
(1,6133)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.13
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.13
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.13
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,5987)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,5758)	1:53:A:VAL:H	1:57:A:LEU:HD11	24	0.13
(1,5758)	1:53:A:VAL:H	1:57:A:LEU:HD12	24	0.13
(1,5758)	1:53:A:VAL:H	1:57:A:LEU:HD13	24	0.13
(1,5605)	1:87:A:TYR:H	1:87:A:TYR:HD1	21	0.13
(1,5605)	1:87:A:TYR:H	1:87:A:TYR:HD2	21	0.13
(1,5501)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.13
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	22	0.13
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	22	0.13
(1,5276)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	22	0.13
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	9	0.13
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	9	0.13
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	9	0.13
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	9	0.13
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	9	0.13
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	9	0.13
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	9	0.13
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	9	0.13
(1,5198)	1:36:A:PRO:HD2	1:36:A:PRO:HB2	4	0.13
(1,5198)	1:36:A:PRO:HD2	1:36:A:PRO:HB2	22	0.13
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	9	0.13
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	14	0.13
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	21	0.13
(1,5156)	1:9:A:MET:HA	1:27:A:ARG:HD2	22	0.13
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.13
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.13
(1,4996)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.13
(1,4928)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	12	0.13
(1,4928)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	13	0.13
(1,4928)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	23	0.13
(1,4928)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	24	0.13
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	6	0.13
(1,4795)	1:67:A:SER:H	1:64:A:ASP:HB2	6	0.13
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	5	0.13
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	22	0.13
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.13
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.13
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,4653)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	5	0.13
(1,4268)	1:87:A:TYR:H	1:87:A:TYR:HD1	21	0.13
(1,4268)	1:87:A:TYR:H	1:87:A:TYR:HD2	21	0.13
(1,4164)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.13
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	22	0.13
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	22	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3933)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	22	0.13
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	3	0.13
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	3	0.13
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	3	0.13
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	16	0.13
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	16	0.13
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	16	0.13
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	20	0.13
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	20	0.13
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	20	0.13
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	24	0.13
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	24	0.13
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	24	0.13
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	4	0.13
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	4	0.13
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	4	0.13
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.13
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.13
(1,3657)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.13
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	2	0.13
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	2	0.13
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	2	0.13
(1,3587)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	7	0.13
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	6	0.13
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	2	0.13
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	5	0.13
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	17	0.13
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	26	0.13
(1,3449)	1:67:A:SER:H	1:64:A:ASP:HB2	26	0.13
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	3	0.13
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	15	0.13
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	16	0.13
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	21	0.13
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	26	0.13
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	29	0.13
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,3307)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,3075)	1:53:A:VAL:H	1:57:A:LEU:HD11	24	0.13
(1,3075)	1:53:A:VAL:H	1:57:A:LEU:HD12	24	0.13
(1,3075)	1:53:A:VAL:H	1:57:A:LEU:HD13	24	0.13
(1,3004)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.13
(1,2920)	1:87:A:TYR:H	1:87:A:TYR:HD1	21	0.13
(1,2920)	1:87:A:TYR:H	1:87:A:TYR:HD2	21	0.13
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	22	0.13
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	22	0.13
(1,2586)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	22	0.13
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	17	0.13
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	8	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	8	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	8	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	8	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	8	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	8	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	8	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	8	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	8	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	9	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	9	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	9	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	9	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	9	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	9	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	9	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	9	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	9	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	22	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	22	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	22	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	22	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	22	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	22	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	22	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	22	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	22	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	25	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	25	0.13
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	25	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	25	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	25	0.13
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	25	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	25	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	25	0.13
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	25	0.13
(1,2242)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	12	0.13
(1,2242)	1:91:A:VAL:HG21	1:37:A:PRO:HB2	13	0.13
(1,2242)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	23	0.13
(1,2242)	1:91:A:VAL:HG23	1:37:A:PRO:HB2	24	0.13
(1,2199)	1:17:A:THR:HA	1:107:A:HIS:HB2	3	0.13
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	6	0.13
(1,2047)	1:35:A:LYS:H	1:35:A:LYS:HE2	3	0.13
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.13
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.13
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,1963)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	7	0.13
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	22	0.13
(1,1580)	1:87:A:TYR:H	1:87:A:TYR:HD1	21	0.13
(1,1580)	1:87:A:TYR:H	1:87:A:TYR:HD2	21	0.13
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	16	0.13
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	20	0.13
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	11	0.13
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	11	0.13
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	11	0.13
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	11	0.13
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	11	0.13
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	11	0.13
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD1	6	0.13
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD2	6	0.13
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB1	22	0.13
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB2	22	0.13
(1,1246)	1:65:A:ARG:HD3	1:31:A:ALA:HB3	22	0.13
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	15	0.13
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	15	0.13
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	15	0.13
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.13
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.13
(1,976)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.13
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	13	0.13
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	13	0.13
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	13	0.13
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	13	0.13
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	13	0.13
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	13	0.13
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	13	0.13
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	13	0.13
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	13	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	3	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	3	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	3	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	3	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	3	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	3	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	3	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	3	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	3	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	4	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	4	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	4	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	4	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	4	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	4	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	4	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	4	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	4	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	9	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	9	0.13
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	9	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	9	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	9	0.13
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	9	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	9	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	9	0.13
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:17:A:THR:HA	1:107:A:HIS:HB2	3	0.13
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	6	0.13
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	22	0.13
(1,713)	1:35:A:LYS:H	1:35:A:LYS:HE2	3	0.13
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	4	0.13
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	26	0.13
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	3	0.13
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	12	0.13
(1,628)	1:57:A:LEU:H	1:58:A:GLN:HB2	23	0.13
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	28	0.13
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	29	0.13
(1,330)	1:38:A:VAL:H	1:35:A:LYS:HD3	24	0.13
(1,180)	1:96:A:LYS:H	1:96:A:LYS:HG3	13	0.13
(1,146)	1:4:A:ILE:H	1:5:A:GLY:HA2	15	0.13
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	16	0.13
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	20	0.13
(1,112)	1:86:A:GLY:H	1:85:A:GLY:HA2	21	0.13
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	27	0.12
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	27	0.12
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	27	0.12
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	4	0.12
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	4	0.12
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	4	0.12
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	6	0.12
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	6	0.12
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	6	0.12
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	12	0.12
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	12	0.12
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	12	0.12
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	16	0.12
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	16	0.12
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	16	0.12
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	25	0.12
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	25	0.12
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	25	0.12
(3,774)	1:74:A:LEU:HG	1:76:A:ILE:HG13	3	0.12
(3,741)	1:107:A:HIS:H	1:106:A:VAL:HB	14	0.12
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	12	0.12
(3,738)	1:96:A:LYS:H	1:95:A:ASP:HB2	24	0.12
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	21	0.12
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	6	0.12
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,704)	1:84:A:THR:H	1:83:A:PHE:HA	27	0.12
(3,704)	1:84:A:THR:H	1:83:A:PHE:HA	28	0.12
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	1	0.12
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	10	0.12
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	16	0.12
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	20	0.12
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	24	0.12
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	5	0.12
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	21	0.12
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	4	0.12
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	14	0.12
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	27	0.12
(3,677)	1:71:A:LEU:H	1:64:A:ASP:H	27	0.12
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	4	0.12
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	25	0.12
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	9	0.12
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	14	0.12
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	21	0.12
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	3	0.12
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	23	0.12
(3,636)	1:62:A:SER:H	1:73:A:GLU:H	19	0.12
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	1	0.12
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	6	0.12
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	1	0.12
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	13	0.12
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	17	0.12
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	22	0.12
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	4	0.12
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	23	0.12
(3,627)	1:99:A:CYS:H	1:98:A:ASP:HB2	20	0.12
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	6	0.12
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	9	0.12
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	20	0.12
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	6	0.12
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	9	0.12
(3,620)	1:26:A:ALA:H	1:25:A:SER:H	25	0.12
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	1	0.12
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	4	0.12
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	19	0.12
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	24	0.12
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	25	0.12
(3,617)	1:98:A:ASP:H	1:97:A:PHE:HB3	23	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	15	0.12
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	23	0.12
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	24	0.12
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	27	0.12
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	28	0.12
(3,599)	1:92:A:SER:H	1:93:A:THR:H	10	0.12
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	7	0.12
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	15	0.12
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	19	0.12
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	20	0.12
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	26	0.12
(3,565)	1:93:A:THR:H	1:92:A:SER:H	4	0.12
(3,565)	1:93:A:THR:H	1:92:A:SER:H	14	0.12
(3,565)	1:93:A:THR:H	1:92:A:SER:H	28	0.12
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	7	0.12
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	16	0.12
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	29	0.12
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	12	0.12
(3,533)	1:101:A:ASN:H	1:101:A:ASN:HB2	6	0.12
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	6	0.12
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	7	0.12
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	11	0.12
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	19	0.12
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	25	0.12
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	9	0.12
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	10	0.12
(3,525)	1:38:A:VAL:H	1:39:A:VAL:H	5	0.12
(3,516)	1:75:A:HIS:H	1:74:A:LEU:HB2	28	0.12
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	21	0.12
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	3	0.12
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	6	0.12
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	8	0.12
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	11	0.12
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	17	0.12
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	19	0.12
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	26	0.12
(3,503)	1:100:A:SER:H	1:99:A:CYS:HB3	24	0.12
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	1	0.12
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	22	0.12
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	2	0.12
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	8	0.12
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	13	0.12
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	16	0.12
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	17	0.12
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	27	0.12
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	6	0.12
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	22	0.12
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	4	0.12
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	6	0.12
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	8	0.12
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	16	0.12
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	27	0.12
(3,481)	1:95:A:ASP:H	1:94:A:LYS:HB3	3	0.12
(3,481)	1:95:A:ASP:H	1:94:A:LYS:HB3	16	0.12
(3,481)	1:95:A:ASP:H	1:94:A:LYS:HB3	29	0.12
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	27	0.12
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	7	0.12
(3,470)	1:86:A:GLY:H	1:87:A:TYR:H	27	0.12
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	15	0.12
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	8	0.12
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	17	0.12
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	25	0.12
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	18	0.12
(3,369)	1:64:A:ASP:H	1:69:A:VAL:H	13	0.12
(3,369)	1:64:A:ASP:H	1:69:A:VAL:H	25	0.12
(3,366)	1:12:A:GLN:H	1:12:A:GLN:HB3	22	0.12
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	21	0.12
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	15	0.12
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	2	0.12
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	13	0.12
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	22	0.12
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	24	0.12
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	26	0.12
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	19	0.12
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	29	0.12
(3,343)	1:79:A:ALA:H	1:19:A:GLY:H	22	0.12
(3,341)	1:38:A:VAL:H	1:37:A:PRO:HB3	28	0.12
(3,332)	1:26:A:ALA:H	1:25:A:SER:HB3	25	0.12
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	9	0.12
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	11	0.12
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	21	0.12
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	22	0.12
(3,299)	1:44:A:GLY:H	1:87:A:TYR:HA	25	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	4	0.12
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	22	0.12
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	5	0.12
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	7	0.12
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	14	0.12
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	16	0.12
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	3	0.12
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	5	0.12
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	14	0.12
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	16	0.12
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	27	0.12
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	15	0.12
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	16	0.12
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	20	0.12
(3,242)	1:51:A:SER:H	1:51:A:SER:HB3	27	0.12
(3,233)	1:38:A:VAL:H	1:37:A:PRO:HB2	19	0.12
(3,221)	1:87:A:TYR:H	1:86:A:GLY:HA3	6	0.12
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	4	0.12
(3,160)	1:18:A:VAL:H	1:17:A:THR:HB	25	0.12
(3,157)	1:83:A:PHE:H	1:82:A:ALA:HA	13	0.12
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	12	0.12
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	17	0.12
(3,64)	1:17:A:THR:H	1:17:A:THR:HB	11	0.12
(2,905)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	8	0.12
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	11	0.12
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	12	0.12
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	22	0.12
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	27	0.12
(2,825)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	8	0.12
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	11	0.12
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	12	0.12
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	22	0.12
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	27	0.12
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG11	25	0.12
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG12	25	0.12
(2,761)	1:45:A:LYS:HB2	1:47:A:VAL:HG13	25	0.12
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,750)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	8	0.12
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	12	0.12
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	22	0.12
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	27	0.12
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,665)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,584)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,501)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,423)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,342)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,264)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	7	0.12
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	7	0.12
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	7	0.12
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	27	0.12
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	27	0.12
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	27	0.12
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,182)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	7	0.12
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	7	0.12
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	7	0.12
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	27	0.12
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	27	0.12
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	27	0.12
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,109)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	7	0.12
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	7	0.12
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	7	0.12
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	27	0.12
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	27	0.12
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	27	0.12
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	7	0.12
(2,35)	1:41:A:TRP:HA	1:90:A:GLU:HB2	4	0.12
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	24	0.12
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	24	0.12
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,15985)	1:18:A:VAL:HG21	1:80:A:GLN:HA	6	0.12
(1,15985)	1:18:A:VAL:HG22	1:80:A:GLN:HA	6	0.12
(1,15985)	1:18:A:VAL:HG23	1:80:A:GLN:HA	6	0.12
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	8	0.12
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB2	7	0.12
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB2	7	0.12
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB2	7	0.12
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	10	0.12
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	10	0.12
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	10	0.12
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	10	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	10	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	10	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	10	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	10	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	10	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	10	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	10	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	10	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	15	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	15	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	15	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	15	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	15	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	15	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	15	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	15	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	15	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	17	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	17	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	17	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	17	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	17	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	17	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	17	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	17	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	17	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	25	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	25	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	25	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	25	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	25	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	25	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	25	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	25	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	25	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	26	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	26	0.12
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	26	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	26	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	26	0.12
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	26	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	26	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	26	0.12
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	26	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG11	4	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG12	4	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG13	4	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG11	4	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG12	4	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG13	4	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG11	4	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG12	4	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG13	4	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG11	9	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG12	9	0.12
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG13	9	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG11	9	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG12	9	0.12
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG13	9	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG11	9	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG12	9	0.12
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG13	9	0.12
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,15733)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,15733)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,15733)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,15722)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	11	0.12
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	8	0.12
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	8	0.12
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	8	0.12
(1,15671)	1:108:A:GLU:HG2	1:18:A:VAL:HG21	24	0.12
(1,15671)	1:108:A:GLU:HG2	1:18:A:VAL:HG22	24	0.12
(1,15671)	1:108:A:GLU:HG2	1:18:A:VAL:HG23	24	0.12
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD21	10	0.12
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD22	10	0.12
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD23	10	0.12
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,15641)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	8	0.12
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	3	0.12
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	4	0.12
(1,15640)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	17	0.12
(1,15589)	1:94:A:LYS:H	1:93:A:THR:HB	27	0.12
(1,15562)	1:83:A:PHE:H	1:106:A:VAL:HB	11	0.12
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	1	0.12
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	12	0.12
(1,15501)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.12
(1,15501)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.12
(1,15501)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.12
(1,15385)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,15333)	1:12:A:GLN:H	1:11:A:PRO:HB2	29	0.12
(1,14751)	1:70:A:TYR:HD1	1:70:A:TYR:HB2	29	0.12
(1,14751)	1:70:A:TYR:HD2	1:70:A:TYR:HB2	29	0.12
(1,14714)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.12
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	8	0.12
(1,14554)	1:93:A:THR:HG23	1:37:A:PRO:HB2	21	0.12
(1,14546)	1:34:A:LEU:HG	1:35:A:LYS:HG3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	17	0.12
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,14310)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	27	0.12
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	4	0.12
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	15	0.12
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	22	0.12
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	27	0.12
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG2	28	0.12
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	3	0.12
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	4	0.12
(1,14302)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	17	0.12
(1,14245)	1:94:A:LYS:H	1:93:A:THR:HB	27	0.12
(1,14222)	1:44:A:GLY:H	1:43:A:LYS:HD3	27	0.12
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	19	0.12
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	23	0.12
(1,14156)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.12
(1,14156)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.12
(1,14156)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.12
(1,14152)	1:35:A:LYS:H	1:35:A:LYS:HE3	10	0.12
(1,14035)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,13982)	1:12:A:GLN:H	1:11:A:PRO:HB2	29	0.12
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	8	0.12
(1,13878)	1:50:A:SER:H	1:59:A:LEU:HB3	16	0.12
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	14	0.12
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	20	0.12
(1,13850)	1:96:A:LYS:H	1:97:A:PHE:HB2	21	0.12
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	20	0.12
(1,13362)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	17	0.12
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,13211)	1:34:A:LEU:HG	1:35:A:LYS:HG3	3	0.12
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	11	0.12
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	11	0.12
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	11	0.12
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	2	0.12
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	2	0.12
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	2	0.12
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	2	0.12
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	2	0.12
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	2	0.12
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	2	0.12
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	2	0.12
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	8	0.12
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	8	0.12
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	8	0.12
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	8	0.12
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	8	0.12
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	8	0.12
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	8	0.12
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	8	0.12
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	8	0.12
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,13052)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,13052)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,13052)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,13042)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	11	0.12
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,12965)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	27	0.12
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	3	0.12
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	4	0.12
(1,12958)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	17	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG21	8	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG22	8	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG23	8	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG21	27	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG22	27	0.12
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG23	27	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12814)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.12
(1,12814)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.12
(1,12814)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.12
(1,12697)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,12646)	1:12:A:GLN:H	1:11:A:PRO:HB2	29	0.12
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,12336)	1:87:A:TYR:H	1:87:A:TYR:HD1	18	0.12
(1,12336)	1:87:A:TYR:H	1:87:A:TYR:HD2	18	0.12
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	4	0.12
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	5	0.12
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	9	0.12
(1,12057)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	27	0.12
(1,12057)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	27	0.12
(1,12057)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	27	0.12
(1,12021)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	17	0.12
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,11893)	1:9:A:MET:HA	1:27:A:ARG:HD2	4	0.12
(1,11869)	1:34:A:LEU:HG	1:35:A:LYS:HG3	3	0.12
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.12
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.12
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.12
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.12
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.12
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.12
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.12
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.12
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,11716)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11716)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,11716)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,11707)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	11	0.12
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	1	0.12
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	1	0.12
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	1	0.12
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	9	0.12
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	9	0.12
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	9	0.12
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	3	0.12
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	4	0.12
(1,11621)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	17	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	7	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	7	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	7	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	9	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	9	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	9	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	14	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	14	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	14	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	16	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	16	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	16	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	22	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	22	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	22	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	27	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	27	0.12
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	27	0.12
(1,11544)	1:85:A:GLY:H	1:104:A:LEU:HB2	2	0.12
(1,11544)	1:85:A:GLY:H	1:104:A:LEU:HB2	18	0.12
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG21	8	0.12
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG22	8	0.12
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG23	8	0.12
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG21	27	0.12
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG22	27	0.12
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG23	27	0.12
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	20	0.12
(1,11513)	1:106:A:VAL:H	1:105:A:THR:H	14	0.12
(1,11480)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.12
(1,11480)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.12
(1,11480)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.12
(1,11443)	1:46:A:TRP:HE1	1:83:A:PHE:HA	13	0.12
(1,11363)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	8	0.12
(1,11207)	1:50:A:SER:H	1:59:A:LEU:HB3	16	0.12
(1,10920)	1:64:A:ASP:H	1:63:A:TYR:HD1	8	0.12
(1,10920)	1:64:A:ASP:H	1:63:A:TYR:HD2	8	0.12
(1,10820)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.12
(1,10719)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	27	0.12
(1,10719)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	27	0.12
(1,10719)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	27	0.12
(1,10698)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.12
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	20	0.12
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	20	0.12
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.12
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.12
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	6	0.12
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	9	0.12
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	26	0.12
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	11	0.12
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	11	0.12
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	11	0.12
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,10370)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,10370)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,10370)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,10360)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.12
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	7	0.12
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	7	0.12
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	7	0.12
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	7	0.12
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	7	0.12
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	7	0.12
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	7	0.12
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	7	0.12
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	7	0.12
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	20	0.12
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	20	0.12
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	20	0.12
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	20	0.12
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	20	0.12
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	20	0.12
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	20	0.12
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	20	0.12
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	20	0.12
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	1	0.12
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	1	0.12
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	1	0.12
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	9	0.12
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	9	0.12
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	9	0.12
(1,10322)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	29	0.12
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	3	0.12
(1,10278)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	4	0.12
(1,10278)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	17	0.12
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	3	0.12
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	5	0.12
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	7	0.12
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	11	0.12
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	15	0.12
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	21	0.12
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	22	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	24	0.12
(1,10129)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.12
(1,10129)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.12
(1,10129)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.12
(1,10092)	1:46:A:TRP:HE1	1:83:A:PHE:HA	13	0.12
(1,10011)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,9960)	1:12:A:GLN:H	1:11:A:PRO:HB2	29	0.12
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD2	17	0.12
(1,9653)	1:87:A:TYR:H	1:87:A:TYR:HD1	18	0.12
(1,9653)	1:87:A:TYR:H	1:87:A:TYR:HD2	18	0.12
(1,9478)	1:2:A:ASP:H	1:2:A:ASP:HB2	12	0.12
(1,9339)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	17	0.12
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,9204)	1:33:A:LEU:HG	1:37:A:PRO:HG2	24	0.12
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	1	0.12
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	21	0.12
(1,9165)	1:49:A:LEU:HG	1:43:A:LYS:HD3	29	0.12
(1,9156)	1:43:A:LYS:HD2	1:57:A:LEU:HG	6	0.12
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	11	0.12
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	11	0.12
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	11	0.12
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,9026)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,9026)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,9026)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9016)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	11	0.12
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	1	0.12
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	1	0.12
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	1	0.12
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	9	0.12
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	9	0.12
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	9	0.12
(1,8956)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	19	0.12
(1,8956)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	19	0.12
(1,8956)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	19	0.12
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,8935)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	11	0.12
(1,8935)	1:94:A:LYS:HG3	1:94:A:LYS:HD3	25	0.12
(1,8935)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	29	0.12
(1,8891)	1:40:A:LYS:H	1:90:A:GLU:HB2	15	0.12
(1,8846)	1:85:A:GLY:H	1:104:A:LEU:HB2	2	0.12
(1,8846)	1:85:A:GLY:H	1:104:A:LEU:HB2	18	0.12
(1,8745)	1:46:A:TRP:HE1	1:83:A:PHE:HA	13	0.12
(1,8664)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD2	17	0.12
(1,8305)	1:87:A:TYR:H	1:87:A:TYR:HD1	18	0.12
(1,8305)	1:87:A:TYR:H	1:87:A:TYR:HD2	18	0.12
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	2	0.12
(1,8033)	1:70:A:TYR:HD1	1:70:A:TYR:HB2	29	0.12
(1,8033)	1:70:A:TYR:HD2	1:70:A:TYR:HB2	29	0.12
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	3	0.12
(1,8023)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	23	0.12
(1,8023)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	23	0.12
(1,8023)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	23	0.12
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	20	0.12
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	12	0.12
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	12	0.12
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	21	0.12
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	21	0.12
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	13	0.12
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	13	0.12
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	13	0.12
(1,7873)	1:53:A:VAL:HA	1:57:A:LEU:HB2	5	0.12
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,7656)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.12
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	1	0.12
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	1	0.12
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	9	0.12
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	9	0.12
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	9	0.12
(1,7618)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	29	0.12
(1,7596)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	19	0.12
(1,7596)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	19	0.12
(1,7596)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	19	0.12
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	3	0.12
(1,7576)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	4	0.12
(1,7576)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	17	0.12
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	14	0.12
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	21	0.12
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	22	0.12
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	25	0.12
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	14	0.12
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	25	0.12
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	25	0.12
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	25	0.12
(1,7313)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,7261)	1:12:A:GLN:H	1:11:A:PRO:HB2	29	0.12
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,6949)	1:87:A:TYR:H	1:87:A:TYR:HD1	18	0.12
(1,6949)	1:87:A:TYR:H	1:87:A:TYR:HD2	18	0.12
(1,6881)	1:20:A:GLY:H	1:79:A:ALA:HB1	3	0.12
(1,6881)	1:20:A:GLY:H	1:79:A:ALA:HB2	3	0.12
(1,6881)	1:20:A:GLY:H	1:79:A:ALA:HB3	3	0.12
(1,6634)	1:28:A:VAL:HG22	1:37:A:PRO:HB2	17	0.12
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	3	0.12
(1,6498)	1:9:A:MET:HA	1:27:A:ARG:HD2	4	0.12
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	1	0.12
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	18	0.12
(1,6454)	1:49:A:LEU:HG	1:43:A:LYS:HD3	29	0.12
(1,6445)	1:43:A:LYS:HD2	1:57:A:LEU:HG	6	0.12
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	11	0.12
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	11	0.12
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	11	0.12
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,6315)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,6315)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,6315)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,6306)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.12
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	7	0.12
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	7	0.12
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	7	0.12
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	7	0.12
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	7	0.12
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	7	0.12
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	7	0.12
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	7	0.12
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	7	0.12
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	20	0.12
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	20	0.12
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	20	0.12
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	20	0.12
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	20	0.12
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	20	0.12
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	20	0.12
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	20	0.12
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	20	0.12
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	1	0.12
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	1	0.12
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	1	0.12
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	9	0.12
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	9	0.12
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	3	0.12
(1,6228)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	4	0.12
(1,6228)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	17	0.12
(1,6226)	1:81:A:PRO:HB2	1:81:A:PRO:HA	23	0.12
(1,6225)	1:55:A:GLN:HG3	1:55:A:GLN:HB2	8	0.12
(1,6215)	1:43:A:LYS:HD3	1:43:A:LYS:HG2	10	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	8	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	8	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	8	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	13	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	13	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	13	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	14	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	14	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	14	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	20	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	20	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	20	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	27	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	27	0.12
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	27	0.12
(1,6078)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	0.12
(1,6078)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	0.12
(1,6078)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	0.12
(1,5959)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,5605)	1:87:A:TYR:H	1:87:A:TYR:HD1	18	0.12
(1,5605)	1:87:A:TYR:H	1:87:A:TYR:HD2	18	0.12
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,5268)	1:50:A:SER:HA	1:52:A:LYS:HD3	1	0.12
(1,5211)	1:18:A:VAL:HG21	1:80:A:GLN:HE21	4	0.12
(1,5211)	1:18:A:VAL:HG22	1:80:A:GLN:HE21	4	0.12
(1,5211)	1:18:A:VAL:HG23	1:80:A:GLN:HE21	4	0.12
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	7	0.12
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	7	0.12
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	7	0.12
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	7	0.12
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	7	0.12
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	7	0.12
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	7	0.12
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	7	0.12
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	8	0.12
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	8	0.12
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	8	0.12
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	8	0.12
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	8	0.12
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	8	0.12
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	8	0.12
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	8	0.12
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	8	0.12
(1,5198)	1:36:A:PRO:HD2	1:36:A:PRO:HB2	17	0.12
(1,5198)	1:36:A:PRO:HD2	1:36:A:PRO:HB2	18	0.12
(1,5185)	1:59:A:LEU:HD11	1:43:A:LYS:HB2	19	0.12
(1,5185)	1:59:A:LEU:HD12	1:43:A:LYS:HB2	19	0.12
(1,5185)	1:59:A:LEU:HD13	1:43:A:LYS:HB2	19	0.12
(1,5185)	1:59:A:LEU:HD11	1:43:A:LYS:HB2	24	0.12
(1,5185)	1:59:A:LEU:HD12	1:43:A:LYS:HB2	24	0.12
(1,5185)	1:59:A:LEU:HD13	1:43:A:LYS:HB2	24	0.12
(1,5133)	1:34:A:LEU:HG	1:35:A:LYS:HG3	3	0.12
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,4976)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,4976)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,4976)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,4967)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.12
(1,4928)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	29	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4906)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	19	0.12
(1,4906)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	19	0.12
(1,4906)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	19	0.12
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	3	0.12
(1,4888)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	4	0.12
(1,4888)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	17	0.12
(1,4885)	1:55:A:GLN:HG3	1:55:A:GLN:HB2	8	0.12
(1,4832)	1:66:A:ALA:H	1:65:A:ARG:HD3	19	0.12
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	4	0.12
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	12	0.12
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	17	0.12
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	19	0.12
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	23	0.12
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	25	0.12
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	27	0.12
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	29	0.12
(1,4737)	1:35:A:LYS:H	1:35:A:LYS:HE3	10	0.12
(1,4703)	1:46:A:TRP:HE1	1:83:A:PHE:HA	13	0.12
(1,4625)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,4573)	1:12:A:GLN:H	1:11:A:PRO:HB2	29	0.12
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,4268)	1:87:A:TYR:H	1:87:A:TYR:HD1	18	0.12
(1,4268)	1:87:A:TYR:H	1:87:A:TYR:HD2	18	0.12
(1,4006)	1:46:A:TRP:HD1	1:46:A:TRP:HB2	13	0.12
(1,3990)	1:53:A:VAL:HG21	1:43:A:LYS:HB2	27	0.12
(1,3990)	1:53:A:VAL:HG22	1:43:A:LYS:HB2	27	0.12
(1,3990)	1:53:A:VAL:HG23	1:43:A:LYS:HB2	27	0.12
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	3	0.12
(1,3840)	1:53:A:VAL:HA	1:57:A:LEU:HB2	10	0.12
(1,3818)	1:9:A:MET:HA	1:27:A:ARG:HD2	4	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	2	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	2	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	2	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	7	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	7	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	7	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	10	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	10	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	11	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	11	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	11	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	12	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	12	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	12	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	13	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	13	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	13	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	14	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	14	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	14	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	18	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	18	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	18	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	23	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	23	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	23	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	27	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	27	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	27	0.12
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	28	0.12
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	28	0.12
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	28	0.12
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	14	0.12
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	14	0.12
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	14	0.12
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	16	0.12
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	16	0.12
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	16	0.12
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3635)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,3635)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,3635)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,3625)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.12
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	1	0.12
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	1	0.12
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	1	0.12
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	9	0.12
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	9	0.12
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	9	0.12
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	3	0.12
(1,3545)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	4	0.12
(1,3545)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	17	0.12
(1,3542)	1:55:A:GLN:HG3	1:55:A:GLN:HB2	8	0.12
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	14	0.12
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	21	0.12
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	22	0.12
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	25	0.12
(1,3489)	1:66:A:ALA:H	1:65:A:ARG:HD3	19	0.12
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	4	0.12
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	20	0.12
(1,3280)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,3229)	1:12:A:GLN:H	1:11:A:PRO:HB2	29	0.12
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,2920)	1:87:A:TYR:H	1:87:A:TYR:HD1	18	0.12
(1,2920)	1:87:A:TYR:H	1:87:A:TYR:HD2	18	0.12
(1,2852)	1:20:A:GLY:H	1:79:A:ALA:HB1	3	0.12
(1,2852)	1:20:A:GLY:H	1:79:A:ALA:HB2	3	0.12
(1,2852)	1:20:A:GLY:H	1:79:A:ALA:HB3	3	0.12
(1,2621)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.12
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,2578)	1:50:A:SER:HA	1:52:A:LYS:HD3	1	0.12
(1,2451)	1:34:A:LEU:HG	1:35:A:LYS:HG3	3	0.12
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	11	0.12
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	11	0.12
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,2290)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,2290)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,2290)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,2280)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.12
(1,2242)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	29	0.12
(1,2221)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	19	0.12
(1,2221)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	19	0.12
(1,2221)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	19	0.12
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,2201)	1:81:A:PRO:HB2	1:81:A:PRO:HA	23	0.12
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	3	0.12
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	4	0.12
(1,2198)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	17	0.12
(1,2144)	1:66:A:ALA:H	1:65:A:ARG:HD3	19	0.12
(1,2141)	1:94:A:LYS:H	1:93:A:THR:HB	27	0.12
(1,1934)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,1885)	1:12:A:GLN:H	1:11:A:PRO:HB2	29	0.12
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	5	0.12
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	8	0.12
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	20	0.12
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	26	0.12
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD2	17	0.12
(1,1580)	1:87:A:TYR:H	1:87:A:TYR:HD1	18	0.12
(1,1580)	1:87:A:TYR:H	1:87:A:TYR:HD2	18	0.12
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	25	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	25	0.12
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	25	0.12
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	3	0.12
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	6	0.12
(1,1324)	1:63:A:TYR:HE1	1:65:A:ARG:HG2	9	0.12
(1,1324)	1:63:A:TYR:HE2	1:65:A:ARG:HG2	9	0.12
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	26	0.12
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	26	0.12
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	26	0.12
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	26	0.12
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	26	0.12
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	26	0.12
(1,1282)	1:98:A:ASP:HB2	1:6:A:LEU:HB2	16	0.12
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD1	18	0.12
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD2	18	0.12
(1,1238)	1:50:A:SER:HA	1:52:A:LYS:HD3	1	0.12
(1,1112)	1:34:A:LEU:HG	1:35:A:LYS:HG3	3	0.12
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	11	0.12
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	11	0.12
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	11	0.12
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	1	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	5	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	5	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	5	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	5	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	5	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	5	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	5	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	5	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	5	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	17	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	17	0.12
(1,961)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	17	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	17	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	17	0.12
(1,961)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	17	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	17	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	17	0.12
(1,961)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	17	0.12
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD21	2	0.12
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD22	2	0.12
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD23	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD21	2	0.12
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD22	2	0.12
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD23	2	0.12
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD21	2	0.12
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD22	2	0.12
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD23	2	0.12
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	27	0.12
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	27	0.12
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	27	0.12
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	27	0.12
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	27	0.12
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	27	0.12
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	27	0.12
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	27	0.12
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	27	0.12
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	29	0.12
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	29	0.12
(1,954)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	29	0.12
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	29	0.12
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	29	0.12
(1,954)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	29	0.12
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	29	0.12
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	29	0.12
(1,954)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	29	0.12
(1,944)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	28	0.12
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	7	0.12
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	7	0.12
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	7	0.12
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	7	0.12
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	7	0.12
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	7	0.12
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	7	0.12
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	7	0.12
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	7	0.12
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	20	0.12
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	20	0.12
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	20	0.12
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	20	0.12
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	20	0.12
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	20	0.12
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	20	0.12
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	20	0.12
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	8	0.12
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	3	0.12
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG3	4	0.12
(1,860)	1:94:A:LYS:HD2	1:94:A:LYS:HG2	17	0.12
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	2	0.12
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	12	0.12
(1,788)	1:70:A:TYR:H	1:70:A:TYR:HE1	21	0.12
(1,788)	1:70:A:TYR:H	1:70:A:TYR:HE2	21	0.12
(1,599)	1:89:A:CYS:H	1:40:A:LYS:HD3	3	0.12
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	20	0.12
(1,422)	1:96:A:LYS:H	1:2:A:ASP:HB2	14	0.12
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	3	0.12
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	6	0.12
(3,806)	1:76:A:ILE:HB	1:74:A:LEU:HB3	18	0.11
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	2	0.11
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	2	0.11
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	2	0.11
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	10	0.11
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	10	0.11
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	10	0.11
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	23	0.11
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	23	0.11
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	23	0.11
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	24	0.11
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	24	0.11
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	24	0.11
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	29	0.11
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	29	0.11
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	29	0.11
(3,736)	1:10:A:ARG:H	1:9:A:MET:HB2	20	0.11
(3,718)	1:92:A:SER:H	1:39:A:VAL:HA	18	0.11
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	10	0.11
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	11	0.11
(3,717)	1:78:A:ASP:H	1:22:A:ILE:H	29	0.11
(3,716)	1:22:A:ILE:H	1:78:A:ASP:H	4	0.11
(3,716)	1:22:A:ILE:H	1:78:A:ASP:H	22	0.11
(3,704)	1:84:A:THR:H	1:83:A:PHE:HA	3	0.11
(3,702)	1:72:A:PHE:H	1:28:A:VAL:H	8	0.11
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	14	0.11
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	18	0.11
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,694)	1:49:A:LEU:H	1:48:A:ASP:H	29	0.11
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	8	0.11
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	14	0.11
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	12	0.11
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	15	0.11
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	21	0.11
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	25	0.11
(3,687)	1:41:A:TRP:H	1:40:A:LYS:H	29	0.11
(3,679)	1:104:A:LEU:H	1:103:A:ASN:H	2	0.11
(3,679)	1:104:A:LEU:H	1:103:A:ASN:H	8	0.11
(3,679)	1:104:A:LEU:H	1:103:A:ASN:H	12	0.11
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	21	0.11
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	3	0.11
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	8	0.11
(3,663)	1:49:A:LEU:H	1:49:A:LEU:HB3	26	0.11
(3,661)	1:103:A:ASN:H	1:104:A:LEU:H	3	0.11
(3,660)	1:30:A:GLY:H	1:29:A:ALA:H	9	0.11
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	7	0.11
(3,649)	1:64:A:ASP:H	1:65:A:ARG:H	3	0.11
(3,641)	1:89:A:CYS:H	1:101:A:ASN:HA	13	0.11
(3,636)	1:62:A:SER:H	1:73:A:GLU:H	24	0.11
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	4	0.11
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	7	0.11
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	13	0.11
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	24	0.11
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	28	0.11
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	6	0.11
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	7	0.11
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	27	0.11
(3,630)	1:69:A:VAL:H	1:68:A:LYS:HB3	16	0.11
(3,627)	1:99:A:CYS:H	1:98:A:ASP:HB2	4	0.11
(3,624)	1:23:A:THR:H	1:24:A:PHE:H	18	0.11
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	2	0.11
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	7	0.11
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	13	0.11
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	3	0.11
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	20	0.11
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	11	0.11
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	20	0.11
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	13	0.11
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	16	0.11
(3,593)	1:60:A:HIS:H	1:75:A:HIS:H	27	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,589)	1:49:A:LEU:H	1:48:A:ASP:HB2	28	0.11
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	1	0.11
(3,565)	1:93:A:THR:H	1:92:A:SER:H	2	0.11
(3,565)	1:93:A:THR:H	1:92:A:SER:H	5	0.11
(3,565)	1:93:A:THR:H	1:92:A:SER:H	6	0.11
(3,565)	1:93:A:THR:H	1:92:A:SER:H	9	0.11
(3,565)	1:93:A:THR:H	1:92:A:SER:H	13	0.11
(3,565)	1:93:A:THR:H	1:92:A:SER:H	19	0.11
(3,565)	1:93:A:THR:H	1:92:A:SER:H	27	0.11
(3,565)	1:93:A:THR:H	1:92:A:SER:H	29	0.11
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	10	0.11
(3,564)	1:65:A:ARG:H	1:64:A:ASP:HB3	15	0.11
(3,557)	1:16:A:VAL:H	1:105:A:THR:HB	14	0.11
(3,543)	1:70:A:TYR:H	1:69:A:VAL:HB	25	0.11
(3,533)	1:101:A:ASN:H	1:101:A:ASN:HB2	4	0.11
(3,533)	1:101:A:ASN:H	1:101:A:ASN:HB2	7	0.11
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	15	0.11
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	16	0.11
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	22	0.11
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	23	0.11
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	27	0.11
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	28	0.11
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	7	0.11
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	16	0.11
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	22	0.11
(3,503)	1:100:A:SER:H	1:99:A:CYS:HB3	20	0.11
(3,503)	1:100:A:SER:H	1:99:A:CYS:HB3	23	0.11
(3,502)	1:74:A:LEU:H	1:73:A:GLU:HB2	27	0.11
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	5	0.11
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	6	0.11
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	7	0.11
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	19	0.11
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	26	0.11
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	28	0.11
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	10	0.11
(3,492)	1:85:A:GLY:H	1:84:A:THR:H	25	0.11
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	11	0.11
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	7	0.11
(3,484)	1:100:A:SER:H	1:99:A:CYS:HB2	8	0.11
(3,480)	1:62:A:SER:H	1:61:A:ASP:H	15	0.11
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	2	0.11
(3,462)	1:73:A:GLU:H	1:73:A:GLU:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	24	0.11
(3,437)	1:53:A:VAL:H	1:54:A:GLY:H	27	0.11
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	11	0.11
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	20	0.11
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	12	0.11
(3,418)	1:96:A:LYS:H	1:95:A:ASP:HB3	12	0.11
(3,417)	1:1:A:ASP:H	1:1:A:ASP:HB3	25	0.11
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	15	0.11
(3,416)	1:57:A:LEU:H	1:56:A:HIS:HB2	20	0.11
(3,412)	1:102:A:PHE:H	1:87:A:TYR:H	2	0.11
(3,411)	1:10:A:ARG:H	1:10:A:ARG:HB2	21	0.11
(3,408)	1:102:A:PHE:H	1:88:A:ARG:HA	22	0.11
(3,391)	1:104:A:LEU:H	1:103:A:ASN:HB2	13	0.11
(3,369)	1:64:A:ASP:H	1:69:A:VAL:H	17	0.11
(3,369)	1:64:A:ASP:H	1:69:A:VAL:H	27	0.11
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	3	0.11
(3,364)	1:100:A:SER:H	1:90:A:GLU:HA	6	0.11
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	8	0.11
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	9	0.11
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	12	0.11
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	20	0.11
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	27	0.11
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	29	0.11
(3,355)	1:26:A:ALA:H	1:25:A:SER:HB2	22	0.11
(3,345)	1:77:A:THR:H	1:57:A:LEU:HA	1	0.11
(3,337)	1:25:A:SER:H	1:25:A:SER:HB2	8	0.11
(3,331)	1:66:A:ALA:H	1:68:A:LYS:H	6	0.11
(3,327)	1:61:A:ASP:H	1:61:A:ASP:HB2	24	0.11
(3,324)	1:93:A:THR:H	1:96:A:LYS:H	2	0.11
(3,324)	1:93:A:THR:H	1:96:A:LYS:H	13	0.11
(3,324)	1:93:A:THR:H	1:96:A:LYS:H	20	0.11
(3,324)	1:93:A:THR:H	1:96:A:LYS:H	23	0.11
(3,324)	1:93:A:THR:H	1:96:A:LYS:H	25	0.11
(3,324)	1:93:A:THR:H	1:96:A:LYS:H	26	0.11
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	25	0.11
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	29	0.11
(3,310)	1:63:A:TYR:H	1:63:A:TYR:HB2	5	0.11
(3,310)	1:63:A:TYR:H	1:63:A:TYR:HB2	11	0.11
(3,310)	1:63:A:TYR:H	1:63:A:TYR:HB2	15	0.11
(3,299)	1:44:A:GLY:H	1:87:A:TYR:HA	10	0.11
(3,299)	1:44:A:GLY:H	1:87:A:TYR:HA	12	0.11
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,293)	1:60:A:HIS:H	1:60:A:HIS:HB3	29	0.11
(3,285)	1:63:A:TYR:H	1:62:A:SER:HB3	17	0.11
(3,283)	1:96:A:LYS:H	1:93:A:THR:H	3	0.11
(3,282)	1:107:A:HIS:H	1:16:A:VAL:H	10	0.11
(3,281)	1:103:A:ASN:HD21	1:103:A:ASN:HB3	23	0.11
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	12	0.11
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	15	0.11
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	20	0.11
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	25	0.11
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	28	0.11
(3,248)	1:68:A:LYS:H	1:68:A:LYS:HB2	9	0.11
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	29	0.11
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	21	0.11
(3,209)	1:22:A:ILE:H	1:21:A:SER:HB3	25	0.11
(3,157)	1:83:A:PHE:H	1:82:A:ALA:HA	22	0.11
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	16	0.11
(3,94)	1:57:A:LEU:H	1:57:A:LEU:HB2	23	0.11
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	7	0.11
(3,9)	1:95:A:ASP:H	1:95:A:ASP:HA	20	0.11
(2,939)	1:4:A:ILE:HG21	1:7:A:PHE:HB2	26	0.11
(2,939)	1:4:A:ILE:HG22	1:7:A:PHE:HB2	26	0.11
(2,939)	1:4:A:ILE:HG23	1:7:A:PHE:HB2	26	0.11
(2,855)	1:4:A:ILE:HG21	1:7:A:PHE:HB2	26	0.11
(2,855)	1:4:A:ILE:HG22	1:7:A:PHE:HB2	26	0.11
(2,855)	1:4:A:ILE:HG23	1:7:A:PHE:HB2	26	0.11
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	24	0.11
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	28	0.11
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	24	0.11
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	28	0.11
(2,774)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	0.11
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	24	0.11
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	28	0.11
(2,693)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	0.11
(2,617)	1:102:A:PHE:HB2	1:100:A:SER:HB2	9	0.11
(2,609)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	0.11
(2,537)	1:102:A:PHE:HB2	1:100:A:SER:HB2	9	0.11
(2,530)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	0.11
(2,456)	1:102:A:PHE:HB2	1:100:A:SER:HB2	9	0.11
(2,449)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	18	0.11
(2,371)	1:102:A:PHE:HB2	1:100:A:SER:HB2	9	0.11
(2,296)	1:102:A:PHE:HB2	1:100:A:SER:HB2	9	0.11
(2,214)	1:102:A:PHE:HB2	1:100:A:SER:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	18	0.11
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	18	0.11
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	18	0.11
(2,138)	1:102:A:PHE:HB2	1:100:A:SER:HB2	9	0.11
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	18	0.11
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	18	0.11
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	18	0.11
(2,65)	1:102:A:PHE:HB2	1:100:A:SER:HB2	9	0.11
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	18	0.11
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	18	0.11
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	18	0.11
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	9	0.11
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	9	0.11
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	9	0.11
(1,16061)	1:49:A:LEU:HD21	1:53:A:VAL:H	11	0.11
(1,16061)	1:49:A:LEU:HD22	1:53:A:VAL:H	11	0.11
(1,16061)	1:49:A:LEU:HD23	1:53:A:VAL:H	11	0.11
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,16012)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	7	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	7	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	7	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	16	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	16	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	16	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG21	19	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG22	19	0.11
(1,16009)	1:73:A:GLU:HB2	1:23:A:THR:HG23	19	0.11
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD11	13	0.11
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD12	13	0.11
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD13	13	0.11
(1,15985)	1:18:A:VAL:HG21	1:80:A:GLN:HA	22	0.11
(1,15985)	1:18:A:VAL:HG22	1:80:A:GLN:HA	22	0.11
(1,15985)	1:18:A:VAL:HG23	1:80:A:GLN:HA	22	0.11
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	10	0.11
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	8	0.11
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	8	0.11
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	8	0.11
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	15	0.11
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	15	0.11
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	15	0.11
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG21	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG22	9	0.11
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG23	9	0.11
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG21	18	0.11
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG22	18	0.11
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG23	18	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	1	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	1	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	1	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	1	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	1	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	1	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	1	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	1	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	1	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	4	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	4	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	4	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	4	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	4	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	4	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	4	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	4	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	4	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	5	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	5	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	5	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	5	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	5	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	5	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	5	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	5	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	5	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	6	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	6	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	6	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	6	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	6	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	6	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	6	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	6	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	6	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	11	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	11	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	11	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	11	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	11	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	11	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	11	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	11	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	12	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	12	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	12	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	12	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	12	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	12	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	12	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	12	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	12	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	19	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	19	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	19	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	19	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	19	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	19	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	19	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	19	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	19	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	23	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	23	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	23	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	23	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	23	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	23	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	23	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	23	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	23	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	28	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	28	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	28	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	28	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	28	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	28	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	28	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	28	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	28	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	29	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	29	0.11
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	29	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	29	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	29	0.11
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	29	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	29	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	29	0.11
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	29	0.11
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG11	29	0.11
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG12	29	0.11
(1,15746)	1:79:A:ALA:HB1	1:106:A:VAL:HG13	29	0.11
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG11	29	0.11
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG12	29	0.11
(1,15746)	1:79:A:ALA:HB2	1:106:A:VAL:HG13	29	0.11
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG11	29	0.11
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG12	29	0.11
(1,15746)	1:79:A:ALA:HB3	1:106:A:VAL:HG13	29	0.11
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	14	0.11
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	14	0.11
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	14	0.11
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG21	15	0.11
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG22	15	0.11
(1,15671)	1:108:A:GLU:HG3	1:18:A:VAL:HG23	15	0.11
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD21	23	0.11
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD22	23	0.11
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD23	23	0.11
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD21	25	0.11
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD22	25	0.11
(1,15663)	1:96:A:LYS:HB2	1:6:A:LEU:HD23	25	0.11
(1,15648)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	19	0.11
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG21	14	0.11
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG22	14	0.11
(1,15557)	1:20:A:GLY:H	1:106:A:VAL:HG23	14	0.11
(1,15556)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.11
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	7	0.11
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	10	0.11
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	2	0.11
(1,15347)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,15071)	1:14:A:GLY:H	1:13:A:ASP:HB2	29	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14954)	1:106:A:VAL:H	1:84:A:THR:HG21	14	0.11
(1,14954)	1:106:A:VAL:H	1:84:A:THR:HG22	14	0.11
(1,14954)	1:106:A:VAL:H	1:84:A:THR:HG23	14	0.11
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG11	3	0.11
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG12	3	0.11
(1,14800)	1:47:A:VAL:H	1:47:A:VAL:HG13	3	0.11
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,14681)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	7	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	7	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	7	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	16	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	16	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	16	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG21	19	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG22	19	0.11
(1,14678)	1:73:A:GLU:HB2	1:23:A:THR:HG23	19	0.11
(1,14533)	1:52:A:LYS:HE2	1:52:A:LYS:HG2	29	0.11
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	13	0.11
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	13	0.11
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	13	0.11
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	28	0.11
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	28	0.11
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	28	0.11
(1,14446)	1:4:A:ILE:HD11	1:96:A:LYS:HB2	9	0.11
(1,14446)	1:4:A:ILE:HD12	1:96:A:LYS:HB2	9	0.11
(1,14446)	1:4:A:ILE:HD13	1:96:A:LYS:HB2	9	0.11
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	10	0.11
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	10	0.11
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	10	0.11
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	10	0.11
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	10	0.11
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	10	0.11
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	10	0.11
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	10	0.11
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	10	0.11
(1,14395)	1:33:A:LEU:HA	1:33:A:LEU:HD23	25	0.11
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	8	0.11
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	10	0.11
(1,14361)	1:93:A:THR:HA	1:93:A:THR:HB	22	0.11
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14327)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	1	0.11
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	23	0.11
(1,13996)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	2	0.11
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	3	0.11
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	8	0.11
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	10	0.11
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,13343)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD11	13	0.11
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD12	13	0.11
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD13	13	0.11
(1,13195)	1:52:A:LYS:HE2	1:52:A:LYS:HG2	29	0.11
(1,13164)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	16	0.11
(1,13164)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	16	0.11
(1,13164)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	16	0.11
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,13142)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,13142)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,13104)	1:4:A:ILE:HD11	1:96:A:LYS:HB2	9	0.11
(1,13104)	1:4:A:ILE:HD12	1:96:A:LYS:HB2	9	0.11
(1,13104)	1:4:A:ILE:HD13	1:96:A:LYS:HB2	9	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	10	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	10	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	10	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	10	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	10	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	10	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	10	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	10	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	10	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	13	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	13	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	13	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	13	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	13	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	13	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	13	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	13	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	17	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	17	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	17	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	17	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	17	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	17	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	17	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	17	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	17	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	21	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	21	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	21	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	21	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	21	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	21	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	21	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	21	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	21	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	22	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	22	0.11
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	22	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	22	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	22	0.11
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	22	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	22	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	22	0.11
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	22	0.11
(1,13023)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.11
(1,13023)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.11
(1,13023)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.11
(1,13023)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.11
(1,13023)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.11
(1,13023)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.11
(1,13023)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.11
(1,13023)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.11
(1,13023)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.11
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG21	20	0.11
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG22	20	0.11
(1,12873)	1:95:A:ASP:H	1:93:A:THR:HG23	20	0.11
(1,12809)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12660)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,12371)	1:43:A:LYS:H	1:47:A:VAL:HB	17	0.11
(1,12371)	1:43:A:LYS:H	1:47:A:VAL:HB	28	0.11
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	10	0.11
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	16	0.11
(1,12266)	1:106:A:VAL:H	1:84:A:THR:HG21	14	0.11
(1,12266)	1:106:A:VAL:H	1:84:A:THR:HG22	14	0.11
(1,12266)	1:106:A:VAL:H	1:84:A:THR:HG23	14	0.11
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,12002)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,11981)	1:33:A:LEU:HG	1:35:A:LYS:HA	7	0.11
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.11
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.11
(1,11805)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.11
(1,11805)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.11
(1,11805)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.11
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,11803)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,11803)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,11787)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	28	0.11
(1,11688)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.11
(1,11688)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.11
(1,11688)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.11
(1,11688)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.11
(1,11688)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.11
(1,11688)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.11
(1,11688)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.11
(1,11688)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.11
(1,11688)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.11
(1,11619)	1:74:A:LEU:HA	1:59:A:LEU:HA	1	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	1	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	1	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	1	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	3	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	3	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	3	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	4	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	4	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	8	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	8	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	8	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	11	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	11	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	11	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	17	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	17	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	17	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	20	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	20	0.11
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	20	0.11
(1,11574)	1:58:A:GLN:H	1:74:A:LEU:HA	23	0.11
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG21	20	0.11
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG22	20	0.11
(1,11538)	1:95:A:ASP:H	1:93:A:THR:HG23	20	0.11
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	2	0.11
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	10	0.11
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	11	0.11
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	23	0.11
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	24	0.11
(1,11513)	1:106:A:VAL:H	1:105:A:THR:H	29	0.11
(1,11474)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.11
(1,11325)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD21	28	0.11
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD22	28	0.11
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD23	28	0.11
(1,10928)	1:106:A:VAL:H	1:84:A:THR:HG21	14	0.11
(1,10928)	1:106:A:VAL:H	1:84:A:THR:HG22	14	0.11
(1,10928)	1:106:A:VAL:H	1:84:A:THR:HG23	14	0.11
(1,10891)	1:4:A:ILE:H	1:5:A:GLY:HA2	16	0.11
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	2	0.11
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	3	0.11
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	8	0.11
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	10	0.11
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,10664)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	8	0.11
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	8	0.11
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	8	0.11
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	8	0.11
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	8	0.11
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	8	0.11
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	8	0.11
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	8	0.11
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	22	0.11
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	22	0.11
(1,10574)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	22	0.11
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	22	0.11
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	22	0.11
(1,10574)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	22	0.11
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	22	0.11
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	22	0.11
(1,10574)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	22	0.11
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	5	0.11
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	9	0.11
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	11	0.11
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	21	0.11
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	22	0.11
(1,10515)	1:52:A:LYS:HE2	1:52:A:LYS:HG2	29	0.11
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.11
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.11
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	3	0.11
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	20	0.11
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	24	0.11
(1,10491)	1:2:A:ASP:HB2	1:1:A:ASP:HA	27	0.11
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11
(1,10485)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,10482)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	16	0.11
(1,10482)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	16	0.11
(1,10482)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	16	0.11
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,10458)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,10458)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,10420)	1:4:A:ILE:HD11	1:96:A:LYS:HB2	9	0.11
(1,10420)	1:4:A:ILE:HD12	1:96:A:LYS:HB2	9	0.11
(1,10420)	1:4:A:ILE:HD13	1:96:A:LYS:HB2	9	0.11
(1,10360)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.11
(1,10322)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9974)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD21	28	0.11
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD22	28	0.11
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD23	28	0.11
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD2	16	0.11
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.11
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.11
(1,9699)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.11
(1,9586)	1:106:A:VAL:H	1:84:A:THR:HG21	14	0.11
(1,9586)	1:106:A:VAL:H	1:84:A:THR:HG22	14	0.11
(1,9586)	1:106:A:VAL:H	1:84:A:THR:HG23	14	0.11
(1,9550)	1:4:A:ILE:H	1:5:A:GLY:HA2	16	0.11
(1,9501)	1:65:A:ARG:H	1:65:A:ARG:HG2	8	0.11
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,9321)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	8	0.11
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	8	0.11
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	8	0.11
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	8	0.11
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	8	0.11
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	8	0.11
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	8	0.11
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	8	0.11
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	8	0.11
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	22	0.11
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	22	0.11
(1,9230)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	22	0.11
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	22	0.11
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	22	0.11
(1,9230)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	22	0.11
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	22	0.11
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	22	0.11
(1,9230)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	22	0.11
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	8	0.11
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	24	0.11
(1,9156)	1:43:A:LYS:HD3	1:57:A:LEU:HG	24	0.11
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11
(1,9140)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,9137)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	16	0.11
(1,9137)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	16	0.11
(1,9137)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,9114)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,9114)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,8997)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	19	0.11
(1,8997)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	19	0.11
(1,8997)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	19	0.11
(1,8997)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	19	0.11
(1,8997)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	19	0.11
(1,8997)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	19	0.11
(1,8997)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	19	0.11
(1,8997)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	19	0.11
(1,8997)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	19	0.11
(1,8956)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	1	0.11
(1,8956)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	1	0.11
(1,8956)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	1	0.11
(1,8935)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	5	0.11
(1,8935)	1:94:A:LYS:HG2	1:94:A:LYS:HD2	24	0.11
(1,8883)	1:26:A:ALA:H	1:71:A:LEU:HD21	22	0.11
(1,8883)	1:26:A:ALA:H	1:71:A:LEU:HD22	22	0.11
(1,8883)	1:26:A:ALA:H	1:71:A:LEU:HD23	22	0.11
(1,8837)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.11
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	2	0.11
(1,8626)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD2	16	0.11
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	25	0.11
(1,8026)	1:85:A:GLY:HA2	1:44:A:GLY:HA2	16	0.11
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	2	0.11
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	3	0.11
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	8	0.11
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	10	0.11
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	19	0.11
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	19	0.11
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	25	0.11
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	25	0.11
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	26	0.11
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	26	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	6	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	6	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	7	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	7	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	7	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	8	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	8	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	8	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	10	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	10	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	10	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	11	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	11	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	11	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	14	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	14	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	14	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	24	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	24	0.11
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	24	0.11
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD11	13	0.11
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD12	13	0.11
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD13	13	0.11
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	10	0.11
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	10	0.11
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	10	0.11
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	10	0.11
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	10	0.11
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	10	0.11
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	10	0.11
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	10	0.11
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	10	0.11
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	11	0.11
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	11	0.11
(1,7899)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	11	0.11
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	11	0.11
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	11	0.11
(1,7899)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	11	0.11
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	11	0.11
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	11	0.11
(1,7899)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	11	0.11
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	8	0.11
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	8	0.11
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	8	0.11
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	8	0.11
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	8	0.11
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	8	0.11
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	8	0.11
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	8	0.11
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	22	0.11
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	22	0.11
(1,7871)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	22	0.11
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	22	0.11
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	22	0.11
(1,7871)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	22	0.11
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	22	0.11
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	22	0.11
(1,7871)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	22	0.11
(1,7808)	1:96:A:LYS:HA	1:94:A:LYS:HE3	3	0.11
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11
(1,7779)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,7757)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.11
(1,7757)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.11
(1,7757)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.11
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,7753)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,7753)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,7738)	1:22:A:ILE:HG22	1:104:A:LEU:HB2	28	0.11
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD11	10	0.11
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD12	10	0.11
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD13	10	0.11
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD11	10	0.11
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD12	10	0.11
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD13	10	0.11
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD11	10	0.11
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD12	10	0.11
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD13	10	0.11
(1,7656)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.11
(1,7618)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	3	0.11
(1,7596)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	1	0.11
(1,7596)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7596)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	1	0.11
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	4	0.11
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	6	0.11
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	11	0.11
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	18	0.11
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	19	0.11
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	23	0.11
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	28	0.11
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	4	0.11
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	6	0.11
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	17	0.11
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	26	0.11
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	26	0.11
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	26	0.11
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	27	0.11
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	27	0.11
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	27	0.11
(1,7275)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD21	28	0.11
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD22	28	0.11
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD23	28	0.11
(1,7014)	1:47:A:VAL:H	1:46:A:TRP:H	16	0.11
(1,7014)	1:47:A:VAL:H	1:46:A:TRP:H	28	0.11
(1,6842)	1:4:A:ILE:H	1:5:A:GLY:HA2	16	0.11
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,6616)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	5	0.11
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	8	0.11
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	8	0.11
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	8	0.11
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	8	0.11
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	8	0.11
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	8	0.11
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	8	0.11
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	8	0.11
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	8	0.11
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	22	0.11
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	22	0.11
(1,6518)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	22	0.11
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	22	0.11
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	22	0.11
(1,6518)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	22	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	22	0.11
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	22	0.11
(1,6518)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	22	0.11
(1,6457)	1:96:A:LYS:HA	1:94:A:LYS:HE3	3	0.11
(1,6445)	1:43:A:LYS:HD3	1:57:A:LEU:HG	24	0.11
(1,6435)	1:2:A:ASP:HB2	1:1:A:ASP:HA	10	0.11
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11
(1,6428)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,6425)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	16	0.11
(1,6425)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	16	0.11
(1,6425)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	16	0.11
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,6401)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,6401)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,6306)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	7	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	7	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	7	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	11	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	11	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	11	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	26	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	26	0.11
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	26	0.11
(1,6133)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.11
(1,6072)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.11
(1,5923)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD21	28	0.11
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD22	28	0.11
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD23	28	0.11
(1,5670)	1:47:A:VAL:H	1:46:A:TRP:H	16	0.11
(1,5670)	1:47:A:VAL:H	1:46:A:TRP:H	28	0.11
(1,5660)	1:79:A:ALA:H	1:76:A:ILE:HG21	7	0.11
(1,5660)	1:79:A:ALA:H	1:76:A:ILE:HG22	7	0.11
(1,5660)	1:79:A:ALA:H	1:76:A:ILE:HG23	7	0.11
(1,5537)	1:106:A:VAL:H	1:84:A:THR:HG21	14	0.11
(1,5537)	1:106:A:VAL:H	1:84:A:THR:HG22	14	0.11
(1,5537)	1:106:A:VAL:H	1:84:A:THR:HG23	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5464)	1:4:A:ILE:H	1:96:A:LYS:HB2	4	0.11
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,5278)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	16	0.11
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	16	0.11
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	16	0.11
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	16	0.11
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	16	0.11
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	16	0.11
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	16	0.11
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	16	0.11
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	16	0.11
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD11	17	0.11
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD12	17	0.11
(1,5205)	1:74:A:LEU:HD11	1:59:A:LEU:HD13	17	0.11
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD11	17	0.11
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD12	17	0.11
(1,5205)	1:74:A:LEU:HD12	1:59:A:LEU:HD13	17	0.11
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD11	17	0.11
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD12	17	0.11
(1,5205)	1:74:A:LEU:HD13	1:59:A:LEU:HD13	17	0.11
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	8	0.11
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	8	0.11
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	8	0.11
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	8	0.11
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	8	0.11
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	8	0.11
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	8	0.11
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	8	0.11
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	8	0.11
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	22	0.11
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	22	0.11
(1,5176)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	22	0.11
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	22	0.11
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	22	0.11
(1,5176)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	22	0.11
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	22	0.11
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	22	0.11
(1,5176)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	22	0.11
(1,5115)	1:96:A:LYS:HA	1:94:A:LYS:HE3	3	0.11
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5088)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,5066)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.11
(1,5066)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.11
(1,5066)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.11
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,5062)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,5062)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,4967)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.11
(1,4928)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	3	0.11
(1,4906)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	1	0.11
(1,4906)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	1	0.11
(1,4906)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	1	0.11
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	1	0.11
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	14	0.11
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	15	0.11
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	21	0.11
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	24	0.11
(1,4735)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.11
(1,4729)	1:93:A:THR:H	1:93:A:THR:HB	11	0.11
(1,4587)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD21	28	0.11
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD22	28	0.11
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD23	28	0.11
(1,4333)	1:47:A:VAL:H	1:46:A:TRP:H	16	0.11
(1,4333)	1:47:A:VAL:H	1:46:A:TRP:H	28	0.11
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	6	0.11
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	7	0.11
(1,4314)	1:14:A:GLY:H	1:13:A:ASP:HB2	13	0.11
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,3935)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,3914)	1:33:A:LEU:HG	1:35:A:LYS:HA	7	0.11
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	5	0.11
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	8	0.11
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	8	0.11
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	8	0.11
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	8	0.11
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	8	0.11
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	8	0.11
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	8	0.11
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	8	0.11
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	22	0.11
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	22	0.11
(1,3837)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	22	0.11
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	22	0.11
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	22	0.11
(1,3837)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	22	0.11
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	22	0.11
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	22	0.11
(1,3837)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	22	0.11
(1,3778)	1:96:A:LYS:HA	1:94:A:LYS:HE3	3	0.11
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG21	9	0.11
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG22	9	0.11
(1,3751)	1:52:A:LYS:HE2	1:47:A:VAL:HG23	9	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	1	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	1	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	1	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	4	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	4	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	4	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	6	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	6	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	6	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	8	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	8	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	8	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	15	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	15	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	15	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	17	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	17	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	17	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	22	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	22	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	22	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	25	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	25	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	25	0.11
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	26	0.11
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	26	0.11
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	26	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3726)	1:69:A:VAL:HG11	1:29:A:ALA:HA	8	0.11
(1,3726)	1:69:A:VAL:HG12	1:29:A:ALA:HA	8	0.11
(1,3726)	1:69:A:VAL:HG13	1:29:A:ALA:HA	8	0.11
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,3722)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,3722)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,3625)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.11
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11
(1,3563)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,3550)	1:68:A:LYS:HD3	1:68:A:LYS:HB2	22	0.11
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	4	0.11
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	6	0.11
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	11	0.11
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	18	0.11
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	19	0.11
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	23	0.11
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	28	0.11
(1,3456)	1:93:A:THR:H	1:97:A:PHE:HD1	24	0.11
(1,3456)	1:93:A:THR:H	1:97:A:PHE:HD2	24	0.11
(1,3449)	1:67:A:SER:H	1:64:A:ASP:HB2	20	0.11
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	2	0.11
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	10	0.11
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	11	0.11
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	23	0.11
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	24	0.11
(1,3243)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD21	28	0.11
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD22	28	0.11
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD23	28	0.11
(1,2985)	1:47:A:VAL:H	1:46:A:TRP:H	16	0.11
(1,2985)	1:47:A:VAL:H	1:46:A:TRP:H	28	0.11
(1,2975)	1:79:A:ALA:H	1:76:A:ILE:HG21	7	0.11
(1,2975)	1:79:A:ALA:H	1:76:A:ILE:HG22	7	0.11
(1,2975)	1:79:A:ALA:H	1:76:A:ILE:HG23	7	0.11
(1,2850)	1:106:A:VAL:H	1:84:A:THR:HG21	14	0.11
(1,2850)	1:106:A:VAL:H	1:84:A:THR:HG22	14	0.11
(1,2850)	1:106:A:VAL:H	1:84:A:THR:HG23	14	0.11
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG11	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG12	3	0.11
(1,2701)	1:47:A:VAL:H	1:47:A:VAL:HG13	3	0.11
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,2588)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB1	7	0.11
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB2	7	0.11
(1,2576)	1:10:A:ARG:HB2	1:26:A:ALA:HB3	7	0.11
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	8	0.11
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	8	0.11
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	8	0.11
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	8	0.11
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	8	0.11
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	8	0.11
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	8	0.11
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	8	0.11
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	8	0.11
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	22	0.11
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	22	0.11
(1,2494)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	22	0.11
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	22	0.11
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	22	0.11
(1,2494)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	22	0.11
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	22	0.11
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	22	0.11
(1,2494)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	22	0.11
(1,2435)	1:52:A:LYS:HE2	1:52:A:LYS:HG2	29	0.11
(1,2434)	1:96:A:LYS:HA	1:94:A:LYS:HE3	3	0.11
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11
(1,2404)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,2401)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	16	0.11
(1,2401)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	16	0.11
(1,2401)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	16	0.11
(1,2380)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.11
(1,2380)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.11
(1,2380)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.11
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,2376)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,2376)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG11	10	0.11
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG12	10	0.11
(1,2296)	1:4:A:ILE:HG21	1:28:A:VAL:HG13	10	0.11
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG11	10	0.11
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG12	10	0.11
(1,2296)	1:4:A:ILE:HG22	1:28:A:VAL:HG13	10	0.11
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG11	10	0.11
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG12	10	0.11
(1,2296)	1:4:A:ILE:HG23	1:28:A:VAL:HG13	10	0.11
(1,2280)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.11
(1,2242)	1:91:A:VAL:HG22	1:37:A:PRO:HB2	3	0.11
(1,2221)	1:33:A:LEU:HD21	1:33:A:LEU:HB2	1	0.11
(1,2221)	1:33:A:LEU:HD22	1:33:A:LEU:HB2	1	0.11
(1,2221)	1:33:A:LEU:HD23	1:33:A:LEU:HB2	1	0.11
(1,2045)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.11
(1,1899)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,1839)	1:44:A:GLY:H	1:43:A:LYS:HG2	1	0.11
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD21	28	0.11
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD22	28	0.11
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD23	28	0.11
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	12	0.11
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	18	0.11
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD2	16	0.11
(1,1511)	1:106:A:VAL:H	1:84:A:THR:HG21	14	0.11
(1,1511)	1:106:A:VAL:H	1:84:A:THR:HG22	14	0.11
(1,1511)	1:106:A:VAL:H	1:84:A:THR:HG23	14	0.11
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	13	0.11
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	26	0.11
(1,1324)	1:63:A:TYR:HE1	1:65:A:ARG:HG2	26	0.11
(1,1324)	1:63:A:TYR:HE2	1:65:A:ARG:HG2	26	0.11
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD1	7	0.11
(1,1248)	1:83:A:PHE:HA	1:83:A:PHE:HD2	7	0.11
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	8	0.11
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	8	0.11
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	8	0.11
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	8	0.11
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	8	0.11
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	8	0.11
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	8	0.11
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	8	0.11
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	8	0.11
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD21	22	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD22	22	0.11
(1,1154)	1:71:A:LEU:HD21	1:74:A:LEU:HD23	22	0.11
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD21	22	0.11
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD22	22	0.11
(1,1154)	1:71:A:LEU:HD22	1:74:A:LEU:HD23	22	0.11
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD21	22	0.11
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD22	22	0.11
(1,1154)	1:71:A:LEU:HD23	1:74:A:LEU:HD23	22	0.11
(1,1094)	1:96:A:LYS:HA	1:94:A:LYS:HE3	3	0.11
(1,1063)	1:69:A:VAL:HG11	1:27:A:ARG:HD3	16	0.11
(1,1063)	1:69:A:VAL:HG12	1:27:A:ARG:HD3	16	0.11
(1,1063)	1:69:A:VAL:HG13	1:27:A:ARG:HD3	16	0.11
(1,1043)	1:69:A:VAL:HG21	1:29:A:ALA:HA	1	0.11
(1,1043)	1:69:A:VAL:HG22	1:29:A:ALA:HA	1	0.11
(1,1043)	1:69:A:VAL:HG23	1:29:A:ALA:HA	1	0.11
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD11	5	0.11
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD12	5	0.11
(1,1039)	1:43:A:LYS:HD2	1:59:A:LEU:HD13	5	0.11
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD11	16	0.11
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD12	16	0.11
(1,1039)	1:43:A:LYS:HD3	1:59:A:LEU:HD13	16	0.11
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD11	26	0.11
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD12	26	0.11
(1,959)	1:59:A:LEU:HD21	1:57:A:LEU:HD13	26	0.11
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD11	26	0.11
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD12	26	0.11
(1,959)	1:59:A:LEU:HD22	1:57:A:LEU:HD13	26	0.11
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD11	26	0.11
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD12	26	0.11
(1,959)	1:59:A:LEU:HD23	1:57:A:LEU:HD13	26	0.11
(1,944)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	14	0.11
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG11	16	0.11
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG12	16	0.11
(1,881)	1:71:A:LEU:HB2	1:8:A:VAL:HG13	16	0.11
(1,804)	1:73:A:GLU:H	1:60:A:HIS:HA	3	0.11
(1,800)	1:27:A:ARG:H	1:9:A:MET:HG2	16	0.11
(1,711)	1:49:A:LEU:H	1:59:A:LEU:HB2	18	0.11
(1,705)	1:93:A:THR:H	1:93:A:THR:HB	11	0.11
(1,564)	1:78:A:ASP:H	1:19:A:GLY:HA3	25	0.11
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD21	28	0.11
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD22	28	0.11
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD23	28	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:106:A:VAL:H	1:84:A:THR:HG21	14	0.11
(1,181)	1:106:A:VAL:H	1:84:A:THR:HG22	14	0.11
(1,181)	1:106:A:VAL:H	1:84:A:THR:HG23	14	0.11
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	13	0.11
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	26	0.11
(1,67)	1:53:A:VAL:H	1:52:A:LYS:H	13	0.11
(3,840)	1:77:A:THR:HG21	1:78:A:ASP:HB3	25	0.1
(3,840)	1:77:A:THR:HG22	1:78:A:ASP:HB3	25	0.1
(3,840)	1:77:A:THR:HG23	1:78:A:ASP:HB3	25	0.1
(3,775)	1:76:A:ILE:HG21	1:74:A:LEU:HB3	22	0.1
(3,775)	1:76:A:ILE:HG22	1:74:A:LEU:HB3	22	0.1
(3,775)	1:76:A:ILE:HG23	1:74:A:LEU:HB3	22	0.1
(3,750)	1:23:A:THR:HA	1:75:A:HIS:HA	13	0.1
(3,736)	1:10:A:ARG:H	1:9:A:MET:HB2	21	0.1
(3,704)	1:84:A:THR:H	1:83:A:PHE:HA	16	0.1
(3,702)	1:72:A:PHE:H	1:28:A:VAL:H	18	0.1
(3,691)	1:13:A:ASP:H	1:103:A:ASN:H	9	0.1
(3,679)	1:104:A:LEU:H	1:103:A:ASN:H	19	0.1
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	8	0.1
(3,675)	1:78:A:ASP:H	1:21:A:SER:HB2	15	0.1
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	4	0.1
(3,653)	1:102:A:PHE:H	1:103:A:ASN:H	24	0.1
(3,652)	1:29:A:ALA:H	1:30:A:GLY:H	29	0.1
(3,643)	1:75:A:HIS:H	1:57:A:LEU:HA	2	0.1
(3,634)	1:101:A:ASN:HD22	1:101:A:ASN:HB2	27	0.1
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	8	0.1
(3,632)	1:20:A:GLY:H	1:17:A:THR:H	10	0.1
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	12	0.1
(3,618)	1:40:A:LYS:H	1:39:A:VAL:H	14	0.1
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	6	0.1
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	11	0.1
(3,602)	1:50:A:SER:H	1:52:A:LYS:H	21	0.1
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	13	0.1
(3,598)	1:14:A:GLY:H	1:105:A:THR:H	18	0.1
(3,596)	1:79:A:ALA:H	1:78:A:ASP:HB3	1	0.1
(3,587)	1:46:A:TRP:HE1	1:47:A:VAL:HG21	13	0.1
(3,587)	1:46:A:TRP:HE1	1:47:A:VAL:HG22	13	0.1
(3,587)	1:46:A:TRP:HE1	1:47:A:VAL:HG23	13	0.1
(3,575)	1:64:A:ASP:H	1:71:A:LEU:H	14	0.1
(3,570)	1:10:A:ARG:H	1:9:A:MET:HB3	19	0.1
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	10	0.1
(3,567)	1:90:A:GLU:H	1:89:A:CYS:HB2	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,565)	1:93:A:THR:H	1:92:A:SER:H	1	0.1
(3,565)	1:93:A:THR:H	1:92:A:SER:H	18	0.1
(3,565)	1:93:A:THR:H	1:92:A:SER:H	25	0.1
(3,549)	1:24:A:PHE:H	1:23:A:THR:HB	13	0.1
(3,539)	1:57:A:LEU:H	1:56:A:HIS:HB3	20	0.1
(3,533)	1:101:A:ASN:H	1:101:A:ASN:HB2	1	0.1
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	1	0.1
(3,532)	1:59:A:LEU:H	1:60:A:HIS:H	4	0.1
(3,531)	1:46:A:TRP:HE1	1:45:A:LYS:HB3	18	0.1
(3,509)	1:90:A:GLU:H	1:90:A:GLU:HB3	8	0.1
(3,508)	1:43:A:LYS:H	1:42:A:PHE:HB3	11	0.1
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	5	0.1
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	14	0.1
(3,505)	1:92:A:SER:H	1:91:A:VAL:HB	27	0.1
(3,499)	1:74:A:LEU:H	1:73:A:GLU:HB3	14	0.1
(3,497)	1:8:A:VAL:H	1:7:A:PHE:H	11	0.1
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	4	0.1
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	13	0.1
(3,488)	1:25:A:SER:H	1:25:A:SER:HB3	21	0.1
(3,485)	1:14:A:GLY:H	1:15:A:GLU:H	2	0.1
(3,484)	1:100:A:SER:H	1:99:A:CYS:HB2	16	0.1
(3,482)	1:61:A:ASP:H	1:62:A:SER:H	15	0.1
(3,478)	1:15:A:GLU:H	1:14:A:GLY:H	19	0.1
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	9	0.1
(3,474)	1:103:A:ASN:HD22	1:103:A:ASN:HB3	26	0.1
(3,459)	1:52:A:LYS:H	1:51:A:SER:HB3	25	0.1
(3,451)	1:67:A:SER:H	1:69:A:VAL:H	10	0.1
(3,451)	1:67:A:SER:H	1:69:A:VAL:H	15	0.1
(3,441)	1:50:A:SER:H	1:49:A:LEU:HB3	25	0.1
(3,429)	1:68:A:LYS:H	1:68:A:LYS:HB3	8	0.1
(3,422)	1:84:A:THR:H	1:85:A:GLY:H	24	0.1
(3,411)	1:10:A:ARG:H	1:10:A:ARG:HB2	7	0.1
(3,398)	1:16:A:VAL:H	1:105:A:THR:H	7	0.1
(3,372)	1:46:A:TRP:HE1	1:45:A:LYS:HB2	3	0.1
(3,372)	1:46:A:TRP:HE1	1:45:A:LYS:HB2	27	0.1
(3,369)	1:64:A:ASP:H	1:69:A:VAL:H	12	0.1
(3,369)	1:64:A:ASP:H	1:69:A:VAL:H	21	0.1
(3,362)	1:77:A:THR:H	1:77:A:THR:HB	8	0.1
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	14	0.1
(3,358)	1:74:A:LEU:H	1:74:A:LEU:HB3	23	0.1
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	6	0.1
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,350)	1:25:A:SER:H	1:24:A:PHE:HB2	18	0.1
(3,331)	1:66:A:ALA:H	1:68:A:LYS:H	12	0.1
(3,324)	1:93:A:THR:H	1:96:A:LYS:H	28	0.1
(3,319)	1:18:A:VAL:H	1:107:A:HIS:H	16	0.1
(3,312)	1:18:A:VAL:H	1:108:A:GLU:HA	5	0.1
(3,309)	1:95:A:ASP:H	1:94:A:LYS:HA	19	0.1
(3,309)	1:95:A:ASP:H	1:94:A:LYS:HA	23	0.1
(3,299)	1:44:A:GLY:H	1:87:A:TYR:HA	5	0.1
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	1	0.1
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	2	0.1
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	9	0.1
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	11	0.1
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	18	0.1
(3,267)	1:57:A:LEU:H	1:56:A:HIS:HA	21	0.1
(3,257)	1:67:A:SER:H	1:66:A:ALA:HA	23	0.1
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	17	0.1
(3,232)	1:96:A:LYS:H	1:96:A:LYS:HB3	20	0.1
(3,210)	1:83:A:PHE:H	1:83:A:PHE:HB3	6	0.1
(3,157)	1:83:A:PHE:H	1:82:A:ALA:HA	27	0.1
(3,126)	1:79:A:ALA:H	1:78:A:ASP:H	25	0.1
(3,92)	1:47:A:VAL:H	1:47:A:VAL:HB	26	0.1
(3,31)	1:53:A:VAL:H	1:53:A:VAL:HB	23	0.1
(3,9)	1:95:A:ASP:H	1:95:A:ASP:HA	1	0.1
(3,9)	1:95:A:ASP:H	1:95:A:ASP:HA	21	0.1
(3,9)	1:95:A:ASP:H	1:95:A:ASP:HA	25	0.1
(3,9)	1:95:A:ASP:H	1:95:A:ASP:HA	27	0.1
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	17	0.1
(2,850)	1:51:A:SER:HA	1:49:A:LEU:HA	20	0.1
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	17	0.1
(2,783)	1:51:A:SER:HA	1:49:A:LEU:HA	20	0.1
(2,754)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	17	0.1
(2,704)	1:51:A:SER:HA	1:49:A:LEU:HA	20	0.1
(2,669)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,589)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,506)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,428)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,347)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,269)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	2	0.1
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	2	0.1
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,195)	1:59:A:LEU:HD11	1:43:A:LYS:HA	9	0.1
(2,195)	1:59:A:LEU:HD12	1:43:A:LYS:HA	9	0.1
(2,195)	1:59:A:LEU:HD13	1:43:A:LYS:HA	9	0.1
(2,187)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	2	0.1
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	2	0.1
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	2	0.1
(2,123)	1:59:A:LEU:HD11	1:43:A:LYS:HA	9	0.1
(2,123)	1:59:A:LEU:HD12	1:43:A:LYS:HA	9	0.1
(2,123)	1:59:A:LEU:HD13	1:43:A:LYS:HA	9	0.1
(2,115)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	2	0.1
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	2	0.1
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	2	0.1
(2,47)	1:59:A:LEU:HD11	1:43:A:LYS:HA	9	0.1
(2,47)	1:59:A:LEU:HD12	1:43:A:LYS:HA	9	0.1
(2,47)	1:59:A:LEU:HD13	1:43:A:LYS:HA	9	0.1
(2,41)	1:2:A:ASP:HB2	1:1:A:ASP:HB2	29	0.1
(1,16022)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.1
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD11	17	0.1
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD12	17	0.1
(1,15991)	1:57:A:LEU:HG	1:49:A:LEU:HD13	17	0.1
(1,15985)	1:18:A:VAL:HG21	1:80:A:GLN:HA	20	0.1
(1,15985)	1:18:A:VAL:HG22	1:80:A:GLN:HA	20	0.1
(1,15985)	1:18:A:VAL:HG23	1:80:A:GLN:HA	20	0.1
(1,15983)	1:7:A:PHE:HA	1:5:A:GLY:HA2	17	0.1
(1,15935)	1:16:A:VAL:HB	1:22:A:ILE:HD12	20	0.1
(1,15849)	1:81:A:PRO:HA	1:106:A:VAL:HB	7	0.1
(1,15833)	1:71:A:LEU:HD11	1:27:A:ARG:HB3	1	0.1
(1,15833)	1:71:A:LEU:HD12	1:27:A:ARG:HB3	1	0.1
(1,15833)	1:71:A:LEU:HD13	1:27:A:ARG:HB3	1	0.1
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG21	19	0.1
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG22	19	0.1
(1,15814)	1:108:A:GLU:HA	1:18:A:VAL:HG23	19	0.1
(1,15797)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	3	0.1
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	3	0.1
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	3	0.1
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	3	0.1
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	3	0.1
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	3	0.1
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	3	0.1
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	3	0.1
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD21	16	0.1
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD22	16	0.1
(1,15780)	1:106:A:VAL:HG11	1:104:A:LEU:HD23	16	0.1
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD21	16	0.1
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD22	16	0.1
(1,15780)	1:106:A:VAL:HG12	1:104:A:LEU:HD23	16	0.1
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD21	16	0.1
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD22	16	0.1
(1,15780)	1:106:A:VAL:HG13	1:104:A:LEU:HD23	16	0.1
(1,15650)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,15547)	1:13:A:ASP:H	1:102:A:PHE:HA	9	0.1
(1,15376)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	20	0.1
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG11	1	0.1
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG12	1	0.1
(1,15170)	1:44:A:GLY:H	1:47:A:VAL:HG13	1	0.1
(1,15143)	1:52:A:LYS:H	1:49:A:LEU:HB2	10	0.1
(1,14652)	1:7:A:PHE:HA	1:5:A:GLY:HA2	17	0.1
(1,14600)	1:16:A:VAL:HB	1:22:A:ILE:HD12	20	0.1
(1,14485)	1:69:A:VAL:HG21	1:29:A:ALA:HA	27	0.1
(1,14485)	1:69:A:VAL:HG22	1:29:A:ALA:HA	27	0.1
(1,14485)	1:69:A:VAL:HG23	1:29:A:ALA:HA	27	0.1
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	19	0.1
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	19	0.1
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	19	0.1
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	20	0.1
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	20	0.1
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	20	0.1
(1,14471)	1:4:A:ILE:HG21	1:96:A:LYS:HB2	29	0.1
(1,14471)	1:4:A:ILE:HG22	1:96:A:LYS:HB2	29	0.1
(1,14471)	1:4:A:ILE:HG23	1:96:A:LYS:HB2	29	0.1
(1,14461)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	5	0.1
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	5	0.1
(1,14400)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	5	0.1
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	5	0.1
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	5	0.1
(1,14400)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	5	0.1
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	5	0.1
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	5	0.1
(1,14400)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14312)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,14310)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	13	0.1
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	9	0.1
(1,14303)	1:55:A:GLN:HB2	1:55:A:GLN:HG3	17	0.1
(1,14167)	1:43:A:LYS:H	1:49:A:LEU:H	18	0.1
(1,13509)	1:47:A:VAL:H	1:47:A:VAL:HB	13	0.1
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	23	0.1
(1,13367)	1:6:A:LEU:HG	1:96:A:LYS:HB2	26	0.1
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD11	17	0.1
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD12	17	0.1
(1,13324)	1:57:A:LEU:HG	1:49:A:LEU:HD13	17	0.1
(1,13145)	1:69:A:VAL:HG21	1:29:A:ALA:HA	27	0.1
(1,13145)	1:69:A:VAL:HG22	1:29:A:ALA:HA	27	0.1
(1,13145)	1:69:A:VAL:HG23	1:29:A:ALA:HA	27	0.1
(1,13121)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	6	0.1
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	6	0.1
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	6	0.1
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	6	0.1
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	6	0.1
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	6	0.1
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	6	0.1
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	6	0.1
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	6	0.1
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG21	18	0.1
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG22	18	0.1
(1,13093)	1:104:A:LEU:HD21	1:16:A:VAL:HG23	18	0.1
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG21	18	0.1
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG22	18	0.1
(1,13093)	1:104:A:LEU:HD22	1:16:A:VAL:HG23	18	0.1
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG21	18	0.1
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG22	18	0.1
(1,13093)	1:104:A:LEU:HD23	1:16:A:VAL:HG23	18	0.1
(1,12967)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,12965)	1:94:A:LYS:HG3	1:94:A:LYS:HB2	13	0.1
(1,12545)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,12328)	1:71:A:LEU:H	1:69:A:VAL:HB	20	0.1
(1,11853)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.1
(1,11805)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.1
(1,11805)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.1
(1,11805)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.1
(1,11782)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	3	0.1
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	3	0.1
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	3	0.1
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	17	0.1
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	17	0.1
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	17	0.1
(1,11680)	1:33:A:LEU:HD21	1:33:A:LEU:HA	26	0.1
(1,11680)	1:33:A:LEU:HD22	1:33:A:LEU:HA	26	0.1
(1,11680)	1:33:A:LEU:HD23	1:33:A:LEU:HA	26	0.1
(1,11631)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,11619)	1:74:A:LEU:HA	1:59:A:LEU:HA	10	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	15	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	15	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	15	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	23	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	23	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	23	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD21	28	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD22	28	0.1
(1,11577)	1:41:A:TRP:H	1:49:A:LEU:HD23	28	0.1
(1,11574)	1:58:A:GLN:H	1:74:A:LEU:HA	3	0.1
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	9	0.1
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	18	0.1
(1,11532)	1:5:A:GLY:H	1:96:A:LYS:HB2	27	0.1
(1,11513)	1:106:A:VAL:H	1:105:A:THR:H	3	0.1
(1,11513)	1:106:A:VAL:H	1:105:A:THR:H	9	0.1
(1,11513)	1:106:A:VAL:H	1:105:A:THR:H	12	0.1
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD21	19	0.1
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD22	19	0.1
(1,11235)	1:24:A:PHE:H	1:57:A:LEU:HD23	19	0.1
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD11	17	0.1
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD12	17	0.1
(1,11153)	1:53:A:VAL:H	1:57:A:LEU:HD13	17	0.1
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	23	0.1
(1,10686)	1:6:A:LEU:HG	1:96:A:LYS:HB2	26	0.1
(1,10576)	1:53:A:VAL:HA	1:57:A:LEU:HB2	29	0.1
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	2	0.1
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	15	0.1
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	23	0.1
(1,10522)	1:3:A:PRO:HA	1:4:A:ILE:HB	24	0.1
(1,10513)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.1
(1,10462)	1:69:A:VAL:HG21	1:29:A:ALA:HA	27	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10462)	1:69:A:VAL:HG22	1:29:A:ALA:HA	27	0.1
(1,10462)	1:69:A:VAL:HG23	1:29:A:ALA:HA	27	0.1
(1,10436)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,10360)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.1
(1,10360)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.1
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	16	0.1
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	16	0.1
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	16	0.1
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	16	0.1
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	16	0.1
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	16	0.1
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	16	0.1
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	16	0.1
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	16	0.1
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	22	0.1
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	22	0.1
(1,10341)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	22	0.1
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	22	0.1
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	22	0.1
(1,10341)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	22	0.1
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	22	0.1
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	22	0.1
(1,10341)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	22	0.1
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	3	0.1
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	3	0.1
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	3	0.1
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	17	0.1
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	17	0.1
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	17	0.1
(1,10332)	1:33:A:LEU:HD21	1:33:A:LEU:HA	26	0.1
(1,10332)	1:33:A:LEU:HD22	1:33:A:LEU:HA	26	0.1
(1,10332)	1:33:A:LEU:HD23	1:33:A:LEU:HA	26	0.1
(1,10282)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,10201)	1:50:A:SER:H	1:51:A:SER:HA	8	0.1
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD21	19	0.1
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD22	19	0.1
(1,9888)	1:24:A:PHE:H	1:57:A:LEU:HD23	19	0.1
(1,9860)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,9735)	1:38:A:VAL:H	1:35:A:LYS:HD3	19	0.1
(1,9501)	1:65:A:ARG:H	1:65:A:ARG:HG2	10	0.1
(1,9169)	1:96:A:LYS:HA	1:94:A:LYS:HE2	29	0.1
(1,9118)	1:69:A:VAL:HG21	1:29:A:ALA:HA	27	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9118)	1:69:A:VAL:HG22	1:29:A:ALA:HA	27	0.1
(1,9118)	1:69:A:VAL:HG23	1:29:A:ALA:HA	27	0.1
(1,9092)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	3	0.1
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	3	0.1
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	3	0.1
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	17	0.1
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	17	0.1
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	17	0.1
(1,8988)	1:33:A:LEU:HD21	1:33:A:LEU:HA	26	0.1
(1,8988)	1:33:A:LEU:HD22	1:33:A:LEU:HA	26	0.1
(1,8988)	1:33:A:LEU:HD23	1:33:A:LEU:HA	26	0.1
(1,8939)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,8935)	1:94:A:LYS:HG3	1:94:A:LYS:HD2	16	0.1
(1,8655)	1:41:A:TRP:HE1	1:59:A:LEU:HB3	20	0.1
(1,8512)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,8389)	1:38:A:VAL:H	1:35:A:LYS:HD3	19	0.1
(1,8149)	1:65:A:ARG:H	1:65:A:ARG:HG2	11	0.1
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	23	0.1
(1,7991)	1:6:A:LEU:HG	1:96:A:LYS:HB2	26	0.1
(1,7986)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.1
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	8	0.1
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	8	0.1
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	9	0.1
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	9	0.1
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD1	17	0.1
(1,7969)	1:83:A:PHE:HA	1:83:A:PHE:HD2	17	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	5	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	5	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	5	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	12	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	12	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	12	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	15	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	15	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	15	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	17	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	17	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	17	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	21	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	21	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	21	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	26	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	26	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	26	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG21	27	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG22	27	0.1
(1,7954)	1:56:A:HIS:HA	1:77:A:THR:HG23	27	0.1
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD11	17	0.1
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD12	17	0.1
(1,7947)	1:57:A:LEU:HG	1:49:A:LEU:HD13	17	0.1
(1,7733)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD21	5	0.1
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD22	5	0.1
(1,7665)	1:53:A:VAL:HG11	1:57:A:LEU:HD23	5	0.1
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD21	5	0.1
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD22	5	0.1
(1,7665)	1:53:A:VAL:HG12	1:57:A:LEU:HD23	5	0.1
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD21	5	0.1
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD22	5	0.1
(1,7665)	1:53:A:VAL:HG13	1:57:A:LEU:HD23	5	0.1
(1,7656)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.1
(1,7656)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.1
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	3	0.1
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	3	0.1
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	3	0.1
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	17	0.1
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	17	0.1
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	17	0.1
(1,7628)	1:33:A:LEU:HD21	1:33:A:LEU:HA	26	0.1
(1,7628)	1:33:A:LEU:HD22	1:33:A:LEU:HA	26	0.1
(1,7628)	1:33:A:LEU:HD23	1:33:A:LEU:HA	26	0.1
(1,7580)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	10	0.1
(1,7541)	1:71:A:LEU:H	1:62:A:SER:HA	27	0.1
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	2	0.1
(1,7498)	1:51:A:SER:H	1:52:A:LYS:HB2	25	0.1
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG21	11	0.1
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG22	11	0.1
(1,7484)	1:20:A:GLY:H	1:106:A:VAL:HG23	11	0.1
(1,7462)	1:106:A:VAL:H	1:85:A:GLY:H	8	0.1
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD21	19	0.1
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD22	19	0.1
(1,7183)	1:24:A:PHE:H	1:57:A:LEU:HD23	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7156)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	21	0.1
(1,6533)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	28	0.1
(1,6464)	1:9:A:MET:HG2	1:9:A:MET:HA	25	0.1
(1,6405)	1:69:A:VAL:HG21	1:29:A:ALA:HA	27	0.1
(1,6405)	1:69:A:VAL:HG22	1:29:A:ALA:HA	27	0.1
(1,6405)	1:69:A:VAL:HG23	1:29:A:ALA:HA	27	0.1
(1,6381)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,6306)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.1
(1,6306)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.1
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	16	0.1
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	16	0.1
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	16	0.1
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	16	0.1
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	16	0.1
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	16	0.1
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	16	0.1
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	16	0.1
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	16	0.1
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	22	0.1
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	22	0.1
(1,6287)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	22	0.1
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	22	0.1
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	22	0.1
(1,6287)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	22	0.1
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	22	0.1
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	22	0.1
(1,6287)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	22	0.1
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	3	0.1
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	3	0.1
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	3	0.1
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	17	0.1
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	17	0.1
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	17	0.1
(1,6278)	1:33:A:LEU:HD21	1:33:A:LEU:HA	26	0.1
(1,6278)	1:33:A:LEU:HD22	1:33:A:LEU:HA	26	0.1
(1,6278)	1:33:A:LEU:HD23	1:33:A:LEU:HA	26	0.1
(1,6232)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD11	29	0.1
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD12	29	0.1
(1,6183)	1:76:A:ILE:H	1:74:A:LEU:HD13	29	0.1
(1,6113)	1:106:A:VAL:H	1:85:A:GLY:H	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD21	19	0.1
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD22	19	0.1
(1,5836)	1:24:A:PHE:H	1:57:A:LEU:HD23	19	0.1
(1,5809)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,5296)	1:28:A:VAL:HG21	1:37:A:PRO:HB2	23	0.1
(1,5206)	1:49:A:LEU:HB2	1:52:A:LYS:HB2	12	0.1
(1,5041)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,4967)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.1
(1,4967)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.1
(1,4892)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	2	0.1
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	11	0.1
(1,4780)	1:92:A:SER:H	1:37:A:PRO:HA	13	0.1
(1,4729)	1:93:A:THR:H	1:93:A:THR:HB	7	0.1
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD21	19	0.1
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD22	19	0.1
(1,4499)	1:24:A:PHE:H	1:57:A:LEU:HD23	19	0.1
(1,4473)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,3947)	1:27:A:ARG:HD3	1:9:A:MET:HG2	15	0.1
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	21	0.1
(1,3851)	1:52:A:LYS:HD3	1:48:A:ASP:HB2	28	0.1
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	5	0.1
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	5	0.1
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	5	0.1
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	9	0.1
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	9	0.1
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	9	0.1
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	19	0.1
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	19	0.1
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	19	0.1
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	21	0.1
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	21	0.1
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	21	0.1
(1,3744)	1:59:A:LEU:HD21	1:74:A:LEU:HA	29	0.1
(1,3744)	1:59:A:LEU:HD22	1:74:A:LEU:HA	29	0.1
(1,3744)	1:59:A:LEU:HD23	1:74:A:LEU:HA	29	0.1
(1,3726)	1:69:A:VAL:HG21	1:29:A:ALA:HA	29	0.1
(1,3726)	1:69:A:VAL:HG22	1:29:A:ALA:HA	29	0.1
(1,3726)	1:69:A:VAL:HG23	1:29:A:ALA:HA	29	0.1
(1,3702)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,3625)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.1
(1,3625)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	3	0.1
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	3	0.1
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	3	0.1
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	17	0.1
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	17	0.1
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	17	0.1
(1,3598)	1:33:A:LEU:HD21	1:33:A:LEU:HA	26	0.1
(1,3598)	1:33:A:LEU:HD22	1:33:A:LEU:HA	26	0.1
(1,3598)	1:33:A:LEU:HD23	1:33:A:LEU:HA	26	0.1
(1,3549)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	10	0.1
(1,3510)	1:71:A:LEU:H	1:62:A:SER:HA	27	0.1
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG21	25	0.1
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG22	25	0.1
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG23	25	0.1
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG21	28	0.1
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG22	28	0.1
(1,3485)	1:27:A:ARG:H	1:28:A:VAL:HG23	28	0.1
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	9	0.1
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	18	0.1
(1,3447)	1:5:A:GLY:H	1:96:A:LYS:HB2	27	0.1
(1,3429)	1:106:A:VAL:H	1:85:A:GLY:H	8	0.1
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD21	19	0.1
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD22	19	0.1
(1,3154)	1:24:A:PHE:H	1:57:A:LEU:HD23	19	0.1
(1,3127)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,2497)	1:53:A:VAL:HA	1:57:A:LEU:HB2	29	0.1
(1,2469)	1:33:A:LEU:HG	1:37:A:PRO:HG2	13	0.1
(1,2355)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,2280)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.1
(1,2280)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.1
(1,2206)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,2086)	1:106:A:VAL:H	1:85:A:GLY:H	8	0.1
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD21	19	0.1
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD22	19	0.1
(1,1811)	1:24:A:PHE:H	1:57:A:LEU:HD23	19	0.1
(1,1785)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	4	0.1
(1,1710)	1:84:A:THR:H	1:104:A:LEU:HG	6	0.1
(1,1663)	1:38:A:VAL:H	1:35:A:LYS:HD3	19	0.1
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD11	24	0.1
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD12	24	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:75:A:HIS:H	1:74:A:LEU:HD13	24	0.1
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	14	0.1
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	23	0.1
(1,1444)	1:23:A:THR:H	1:104:A:LEU:HB2	24	0.1
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD11	28	0.1
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD12	28	0.1
(1,1312)	1:87:A:TYR:HE1	1:104:A:LEU:HD13	28	0.1
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD11	28	0.1
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD12	28	0.1
(1,1312)	1:87:A:TYR:HE2	1:104:A:LEU:HD13	28	0.1
(1,1130)	1:33:A:LEU:HG	1:37:A:PRO:HG2	13	0.1
(1,1019)	1:3:A:PRO:HD2	1:4:A:ILE:HB	27	0.1
(1,944)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	20	0.1
(1,944)	1:94:A:LYS:HE3	1:94:A:LYS:HG2	21	0.1
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	16	0.1
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	16	0.1
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	16	0.1
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	16	0.1
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	16	0.1
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	16	0.1
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	16	0.1
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	16	0.1
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	16	0.1
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD21	22	0.1
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD22	22	0.1
(1,925)	1:76:A:ILE:HG21	1:57:A:LEU:HD23	22	0.1
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD21	22	0.1
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD22	22	0.1
(1,925)	1:76:A:ILE:HG22	1:57:A:LEU:HD23	22	0.1
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD21	22	0.1
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD22	22	0.1
(1,925)	1:76:A:ILE:HG23	1:57:A:LEU:HD23	22	0.1
(1,867)	1:3:A:PRO:HB2	1:4:A:ILE:HB	13	0.1
(1,705)	1:93:A:THR:H	1:93:A:THR:HB	7	0.1
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD21	19	0.1
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD22	19	0.1
(1,476)	1:24:A:PHE:H	1:57:A:LEU:HD23	19	0.1
(1,450)	1:50:A:SER:H	1:59:A:LEU:HB3	3	0.1
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	14	0.1
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	23	0.1
(1,115)	1:23:A:THR:H	1:104:A:LEU:HB2	24	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found