Full wwPDB NMR Structure Validation Report

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PDB ID	:	2KL2 / pdb_00002kl2
BMRB ID	:	16380
Title	:	NMR solution structure of A2LD1 (gi:13879369)
Authors	:	Pedrini, B.; Serrano, P.; Mohanty, B.; Geralt, M.; Herrmann, T.; Wuthrich, K.; Wilson, I.; Joint Center for Structural Genomics (JCSG)
Deposited on	:	2009-06-30

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:

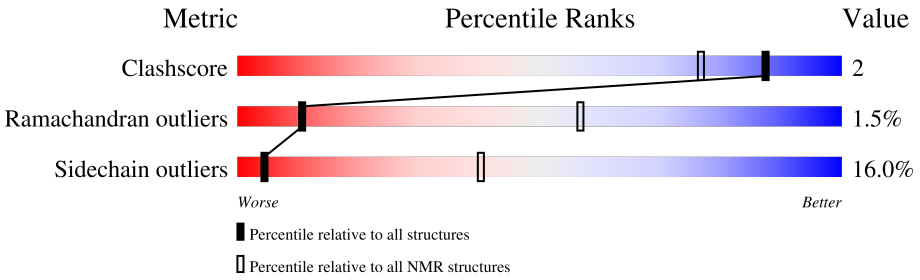
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (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	149	84% 12% ·

2 Ensemble composition and analysis

This entry contains 20 models. Model 10 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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:144 (143)	0.79	10

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 and 8 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2327 atoms, of which 1123 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called AIG2-like domain-containing protein 1.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	149	2327	768	1123	205	223	8	0

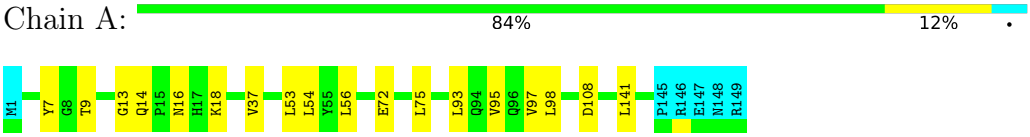
4 Residue-property plots

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: AIG2-like domain-containing protein 1

Chain A:



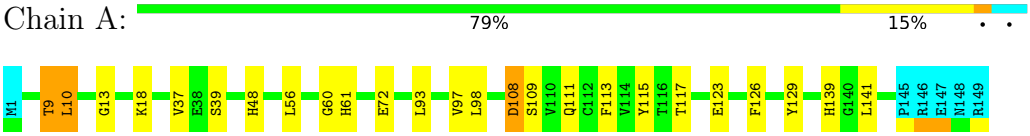
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: AIG2-like domain-containing protein 1

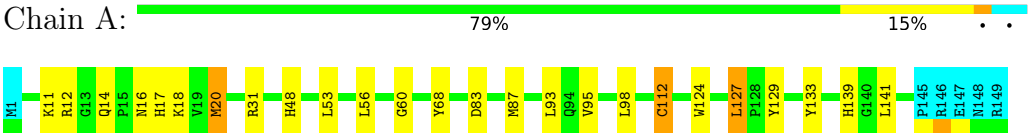
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: AIG2-like domain-containing protein 1

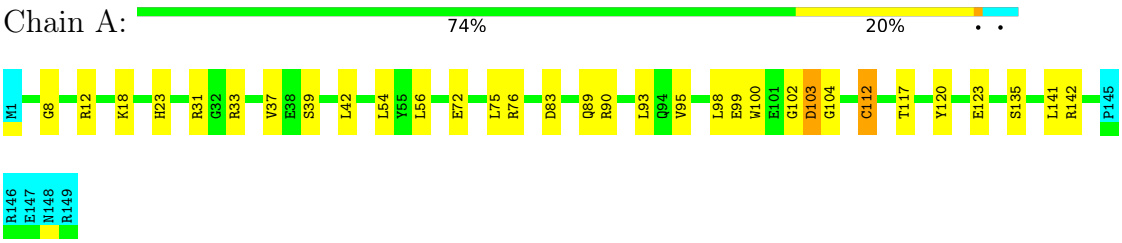
Chain A:



4.2.3 Score per residue for model 3

• Molecule 1: AIG2-like domain-containing protein 1

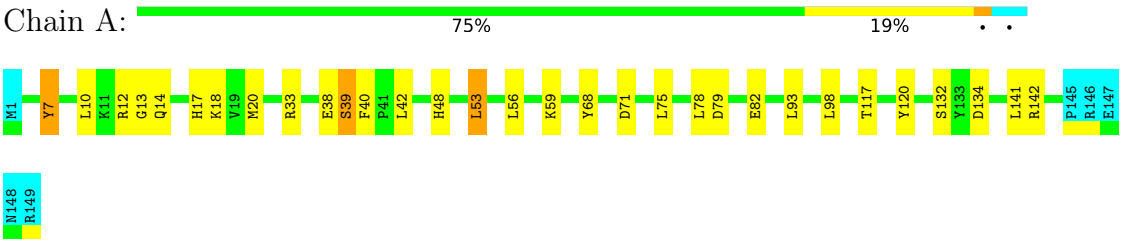
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: AIG2-like domain-containing protein 1

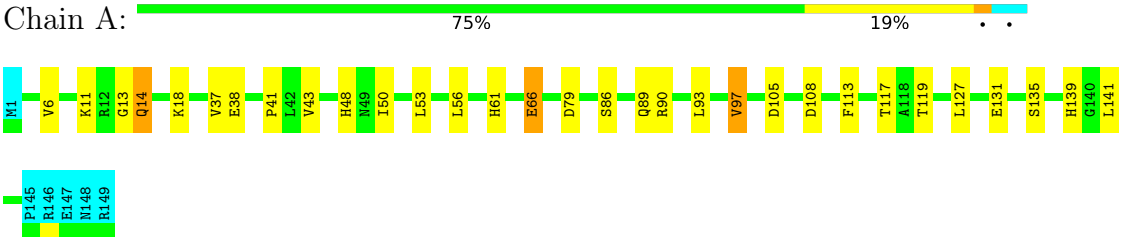
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: AIG2-like domain-containing protein 1

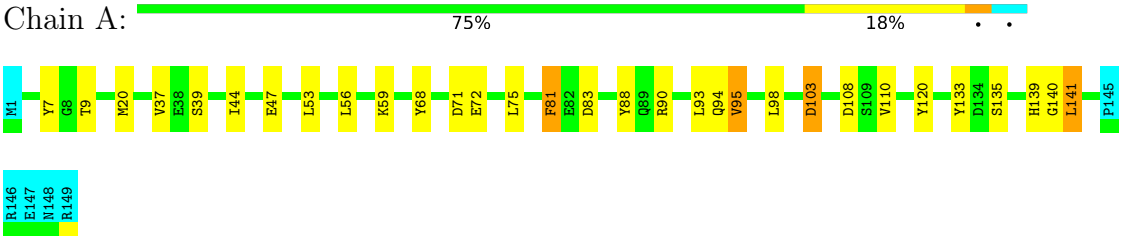
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: AIG2-like domain-containing protein 1

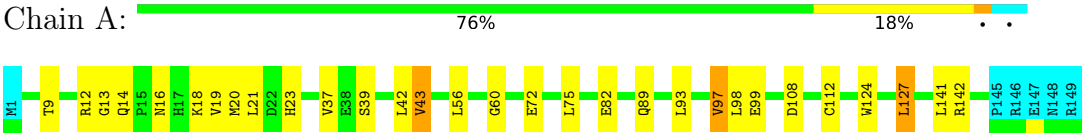
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: AIG2-like domain-containing protein 1

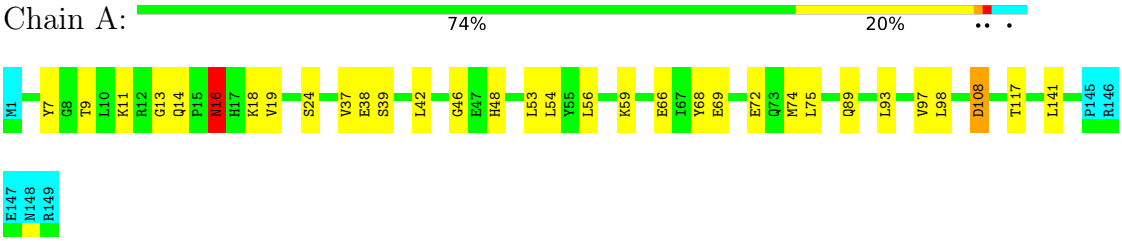
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: AIG2-like domain-containing protein 1

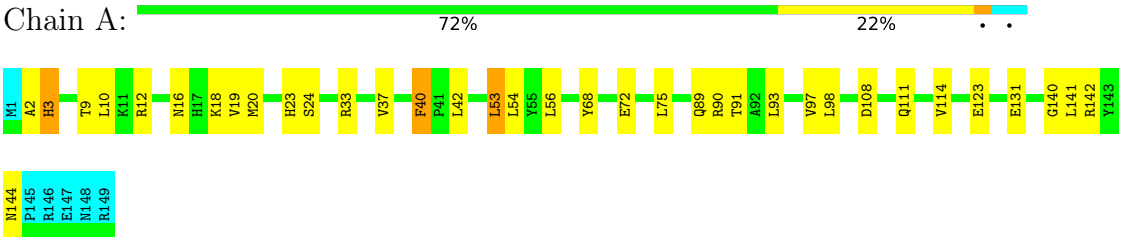
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: AIG2-like domain-containing protein 1

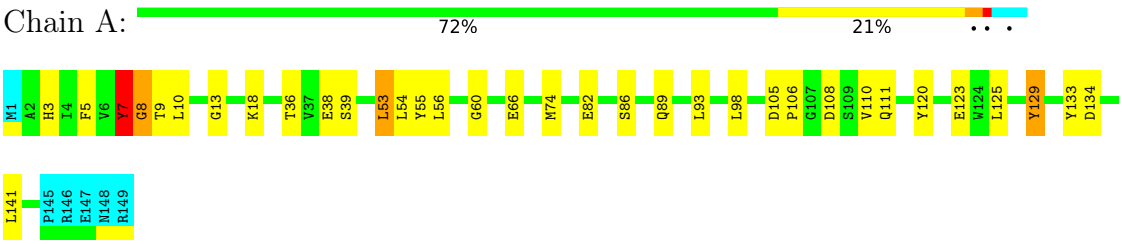
Chain A:



4.2.10 Score per residue for model 10 (medoid)

• Molecule 1: AIG2-like domain-containing protein 1

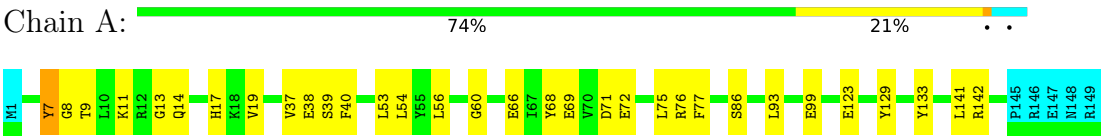
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: AIG2-like domain-containing protein 1

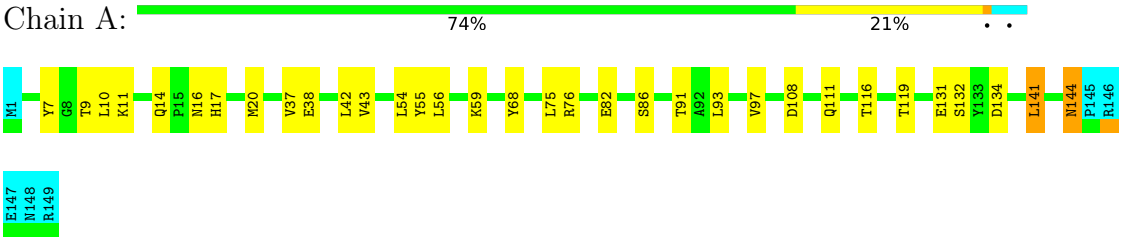
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: AIG2-like domain-containing protein 1

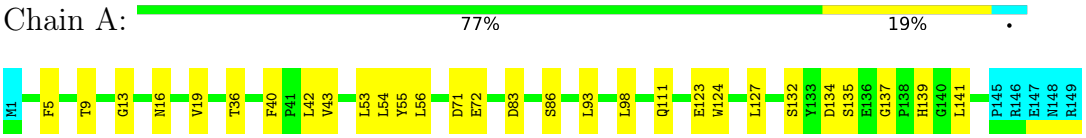
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: AIG2-like domain-containing protein 1

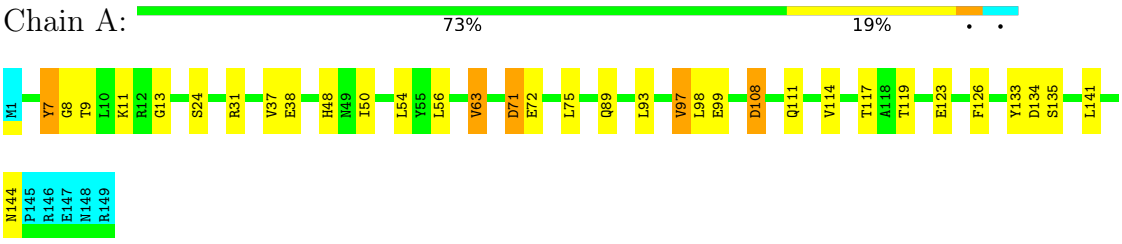
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: AIG2-like domain-containing protein 1

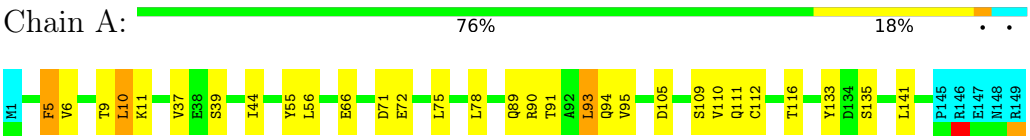
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: AIG2-like domain-containing protein 1

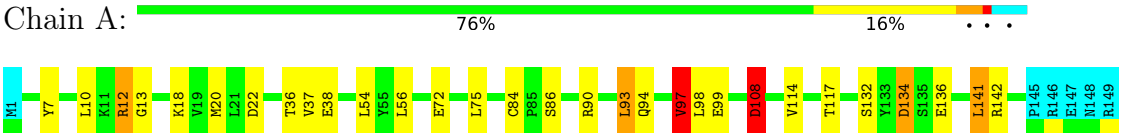
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: AIG2-like domain-containing protein 1

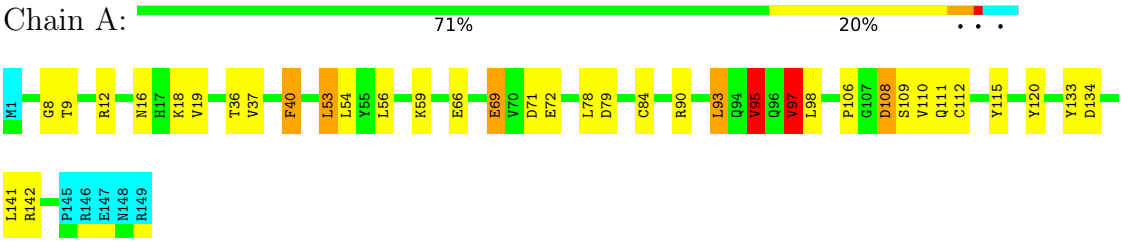
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: AIG2-like domain-containing protein 1

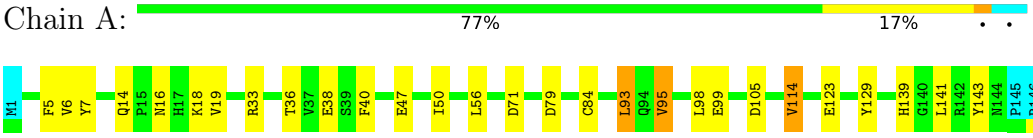
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: AIG2-like domain-containing protein 1

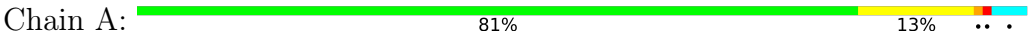
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: AIG2-like domain-containing protein 1

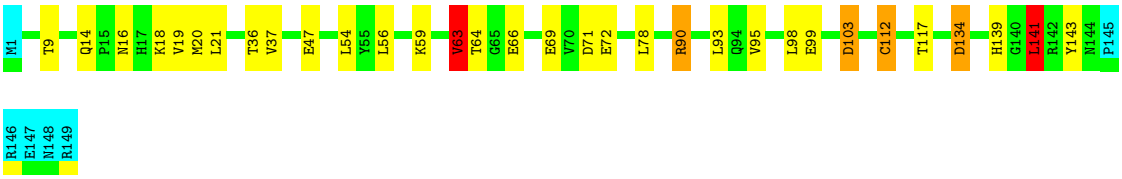
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: AIG2-like domain-containing protein 1

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 80 calculated structures, 20 were deposited, based on the following criterion: *target function.*

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

Software name	Classification	Version
CYANA	structure calculation	
OPAL	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1578
Number of shifts mapped to atoms	1578
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	0.73±0.01	0±0/1189 (0.0± 0.0%)	1.39±0.04	5±2/1622 (0.3± 0.1%)
All	All	0.73	0/23780 (0.0%)	1.39	98/32440 (0.3%)

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	2.6±1.4
All	All	0	52

There are no bond-length outliers.

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	17	HIS	CB-CG-CD2	-9.45	118.91	131.20	2	1
1	A	63	VAL	CA-CB-CG1	9.12	125.90	110.40	14	2
1	A	95	VAL	N-CA-C	8.91	121.06	107.78	17	2
1	A	93	LEU	CD1-CG-CD2	8.43	129.34	110.80	6	5
1	A	17	HIS	CA-CB-CG	8.22	122.03	113.80	11	1
1	A	95	VAL	CA-CB-CG1	8.12	124.20	110.40	17	1
1	A	81	PHE	CA-CB-CG	8.10	121.89	113.80	6	1
1	A	97	VAL	CA-CB-CG1	7.88	123.80	110.40	16	5
1	A	41	PRO	N-CA-CB	7.59	107.17	102.92	5	1
1	A	97	VAL	CB-CA-C	7.55	121.29	112.68	16	4
1	A	134	ASP	CA-CB-CG	7.19	119.79	112.60	16	3
1	A	108	ASP	CA-CB-CG	7.02	119.62	112.60	19	5
1	A	53	LEU	CA-C-N	6.96	134.82	121.54	10	1
1	A	53	LEU	C-N-CA	6.96	134.82	121.54	10	1
1	A	60	GLY	CA-C-N	6.95	134.82	121.54	7	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	60	GLY	C-N-CA	6.95	134.82	121.54	7	1
1	A	105	ASP	CA-C-N	6.86	126.46	119.19	15	3
1	A	105	ASP	C-N-CA	6.86	126.46	119.19	15	3
1	A	69	GLU	CB-CG-CD	6.75	124.07	112.60	17	1
1	A	38	GLU	CA-C-N	6.73	134.39	121.54	4	1
1	A	38	GLU	C-N-CA	6.73	134.39	121.54	4	1
1	A	103	ASP	CA-CB-CG	6.50	119.10	112.60	3	1
1	A	48	HIS	CB-CG-CD2	-6.23	123.10	131.20	14	5
1	A	17	HIS	CB-CG-ND1	6.14	131.91	122.70	2	1
1	A	61	HIS	CA-CB-CG	6.13	119.93	113.80	5	1
1	A	40	PHE	CA-CB-CG	6.11	119.91	113.80	17	3
1	A	144	ASN	CA-CB-CG	5.92	118.53	112.60	12	1
1	A	16	ASN	CA-CB-CG	-5.84	106.76	112.60	12	1
1	A	8	GLY	CA-C-N	5.83	129.93	120.60	17	3
1	A	8	GLY	C-N-CA	5.83	129.93	120.60	17	3
1	A	43	VAL	N-CA-CB	-5.74	101.76	111.23	12	1
1	A	53	LEU	N-CA-CB	-5.62	102.15	110.53	10	1
1	A	23	HIS	CB-CG-CD2	-5.58	123.95	131.20	9	3
1	A	3	HIS	CB-CG-CD2	-5.56	123.97	131.20	10	2
1	A	71	ASP	CA-C-N	5.51	127.98	120.54	14	1
1	A	71	ASP	C-N-CA	5.51	127.98	120.54	14	1
1	A	139	HIS	CB-CG-CD2	-5.50	124.05	131.20	2	3
1	A	22	ASP	CA-CB-CG	-5.45	107.15	112.60	16	1
1	A	139	HIS	CA-CB-CG	5.43	119.23	113.80	1	1
1	A	81	PHE	N-CA-C	-5.41	104.25	112.04	6	1
1	A	110	VAL	CB-CA-C	5.35	119.25	110.69	15	1
1	A	91	THR	CA-C-N	5.34	129.14	121.50	9	1
1	A	91	THR	C-N-CA	5.34	129.14	121.50	9	1
1	A	5	PHE	CA-CB-CG	5.27	119.07	113.80	15	1
1	A	61	HIS	CB-CG-CD2	-5.19	124.45	131.20	1	1
1	A	119	THR	CB-CA-C	5.15	119.05	111.06	14	1
1	A	71	ASP	CA-CB-CG	5.15	117.75	112.60	15	1
1	A	103	ASP	CA-C-N	-5.11	111.40	121.41	3	1
1	A	103	ASP	C-N-CA	-5.11	111.40	121.41	3	1
1	A	40	PHE	CA-C-N	5.11	126.22	119.84	9	1
1	A	40	PHE	C-N-CA	5.11	126.22	119.84	9	1
1	A	113	PHE	CA-C-N	5.08	129.16	122.51	1	1
1	A	113	PHE	C-N-CA	5.08	129.16	122.51	1	1
1	A	14	GLN	CA-C-N	5.04	125.32	119.47	12	2
1	A	14	GLN	C-N-CA	5.04	125.32	119.47	12	2
1	A	66	GLU	CA-CB-CG	5.04	124.17	114.10	17	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	134	ASP	CA-C-N	5.02	128.63	120.60	20	1
1	A	134	ASP	C-N-CA	5.02	128.63	120.60	20	1

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	7	TYR	Sidechain	8
1	A	68	TYR	Sidechain	6
1	A	133	TYR	Sidechain	5
1	A	33	ARG	Sidechain	3
1	A	103	ASP	Peptide	3
1	A	120	TYR	Sidechain	3
1	A	50	ILE	Mainchain	3
1	A	115	TYR	Sidechain	2
1	A	142	ARG	Sidechain	2
1	A	129	TYR	Sidechain	2
1	A	108	ASP	Peptide	2
1	A	143	TYR	Sidechain	2
1	A	102	GLY	Peptide	1
1	A	88	TYR	Sidechain	1
1	A	46	GLY	Peptide	1
1	A	55	TYR	Sidechain	1
1	A	105	ASP	Mainchain	1
1	A	76	ARG	Sidechain	1
1	A	137	GLY	Peptide	1
1	A	5	PHE	Sidechain	1
1	A	116	THR	Peptide	1
1	A	12	ARG	Sidechain	1
1	A	90	ARG	Sidechain	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	1150	1069	1069	4±3
All	All	23000	21380	21380	87

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 2.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:43:VAL:HG11	1:A:127:LEU:HD13	0.98	1.29	7	1
1:A:18:LYS:HA	1:A:21:LEU:HD13	0.75	1.58	20	2
1:A:43:VAL:HG11	1:A:127:LEU:CD1	0.66	2.15	7	1
1:A:16:ASN:O	1:A:19:VAL:HG22	0.63	1.94	20	7
1:A:93:LEU:HD21	1:A:114:VAL:HB	0.58	1.75	9	1
1:A:97:VAL:HG13	1:A:108:ASP:HA	0.58	1.76	16	4
1:A:40:PHE:HB3	1:A:53:LEU:HD22	0.56	1.74	13	1
1:A:40:PHE:CB	1:A:53:LEU:HD22	0.56	2.30	13	1
1:A:93:LEU:HD21	1:A:114:VAL:CB	0.55	2.32	9	1
1:A:10:LEU:HD13	1:A:17:HIS:HA	0.52	1.80	12	1
1:A:20:MET:HG3	1:A:21:LEU:HD12	0.52	1.81	7	2
1:A:40:PHE:HB3	1:A:53:LEU:HD21	0.51	1.80	17	3
1:A:124:TRP:O	1:A:127:LEU:HD11	0.51	2.06	7	1
1:A:97:VAL:CG1	1:A:108:ASP:HA	0.51	2.36	7	5
1:A:97:VAL:HG12	1:A:108:ASP:C	0.50	2.31	1	3
1:A:93:LEU:HD21	1:A:112:CYS:SG	0.50	2.46	15	2
1:A:40:PHE:CE2	1:A:93:LEU:HD12	0.50	2.41	9	1
1:A:10:LEU:HD23	1:A:17:HIS:HA	0.50	1.84	4	1
1:A:90:ARG:HD3	1:A:113:PHE:CD1	0.48	2.44	5	1
1:A:5:PHE:CE2	1:A:36:THR:HG23	0.48	2.44	18	3
1:A:106:PRO:CG	1:A:110:VAL:HG12	0.47	2.39	10	2
1:A:43:VAL:CG2	1:A:54:LEU:HD13	0.47	2.38	13	1
1:A:95:VAL:HG13	1:A:110:VAL:HG22	0.47	1.85	17	2
1:A:18:LYS:CA	1:A:21:LEU:HD13	0.47	2.37	7	2
1:A:20:MET:HE1	1:A:68:TYR:CG	0.47	2.45	2	1
1:A:60:GLY:HA2	1:A:129:TYR:CD2	0.46	2.45	1	4
1:A:55:TYR:CE1	1:A:91:THR:HG21	0.46	2.45	15	1
1:A:127:LEU:HD12	1:A:127:LEU:N	0.46	2.25	7	1
1:A:36:THR:HG23	1:A:63:VAL:HG13	0.45	1.86	20	1
1:A:79:ASP:HA	1:A:84:CYS:SG	0.45	2.52	17	1
1:A:93:LEU:HD11	1:A:114:VAL:HG23	0.45	1.89	16	1
1:A:6:VAL:CG2	1:A:10:LEU:HB2	0.44	2.42	15	1
1:A:124:TRP:HA	1:A:127:LEU:HD23	0.44	1.89	13	2
1:A:20:MET:HE1	1:A:68:TYR:CD2	0.44	2.48	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:93:LEU:HD13	1:A:93:LEU:N	0.44	2.28	17	2
1:A:120:TYR:CE1	1:A:125:LEU:HD21	0.43	2.48	10	1
1:A:10:LEU:HB3	1:A:20:MET:HE3	0.43	1.90	12	1
1:A:93:LEU:HG	1:A:114:VAL:HG21	0.42	1.91	18	1
1:A:95:VAL:CG2	1:A:112:CYS:SG	0.42	3.08	20	3
1:A:141:LEU:HD13	1:A:141:LEU:H	0.41	1.75	20	1
1:A:66:GLU:CD	1:A:68:TYR:CE2	0.41	2.98	11	1
1:A:7:TYR:CD1	1:A:7:TYR:N	0.41	2.85	10	1
1:A:93:LEU:CD2	1:A:95:VAL:HG12	0.41	2.45	17	1
1:A:100:TRP:HE1	1:A:104:GLY:N	0.41	2.13	3	1
1:A:9:THR:C	1:A:10:LEU:HD22	0.41	2.40	1	1
1:A:19:VAL:HG21	1:A:77:PHE:CE2	0.41	2.50	11	1
1:A:123:GLU:HA	1:A:126:PHE:CD2	0.41	2.51	1	2
1:A:124:TRP:HA	1:A:127:LEU:HG	0.41	1.92	7	1
1:A:93:LEU:HD21	1:A:114:VAL:CG2	0.41	2.45	9	1
1:A:36:THR:HG22	1:A:93:LEU:CD2	0.40	2.46	18	1
1:A:54:LEU:HD23	1:A:117:THR:HG23	0.40	1.92	14	1
1:A:6:VAL:HG12	1:A:66:GLU:H	0.40	1.76	5	1
1:A:43:VAL:HG13	1:A:127:LEU:HB3	0.40	1.93	5	1
1:A:66:GLU:CD	1:A:68:TYR:CZ	0.40	3.00	11	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	143/149 (96%)	124±3 (87±2%)	17±3 (12±2%)	2±1 (2±1%)	11	57
All	All	2860/2980 (96%)	2474 (87%)	342 (12%)	44 (2%)	11	57

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	GLY	11
1	A	12	ARG	6

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Mol	Chain	Res	Type	Models (Total)
1	A	90	ARG	6
1	A	141	LEU	5
1	A	8	GLY	4
1	A	140	GLY	2
1	A	54	LEU	2
1	A	55	TYR	2
1	A	87	MET	1
1	A	39	SER	1
1	A	16	ASN	1
1	A	2	ALA	1
1	A	3	HIS	1
1	A	139	HIS	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	122/128 (95%)	102±3 (84±3%)	20±3 (16±3%)	4 40
All	All	2440/2560 (95%)	2050 (84%)	390 (16%)	4 40

All 73 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	56	LEU	20
1	A	141	LEU	19
1	A	98	LEU	16
1	A	37	VAL	15
1	A	9	THR	14
1	A	93	LEU	14
1	A	72	GLU	13
1	A	18	LYS	11
1	A	75	LEU	11
1	A	53	LEU	10
1	A	39	SER	9
1	A	14	GLN	9
1	A	111	GLN	8

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Mol	Chain	Res	Type	Models (Total)
1	A	42	LEU	8
1	A	89	GLN	8
1	A	71	ASP	8
1	A	38	GLU	8
1	A	117	THR	7
1	A	11	LYS	7
1	A	54	LEU	7
1	A	99	GLU	7
1	A	135	SER	7
1	A	7	TYR	7
1	A	10	LEU	6
1	A	123	GLU	6
1	A	142	ARG	6
1	A	59	LYS	6
1	A	134	ASP	6
1	A	86	SER	6
1	A	20	MET	5
1	A	112	CYS	5
1	A	82	GLU	5
1	A	66	GLU	5
1	A	83	ASP	4
1	A	78	LEU	4
1	A	132	SER	4
1	A	95	VAL	4
1	A	24	SER	4
1	A	69	GLU	4
1	A	109	SER	3
1	A	31	ARG	3
1	A	79	ASP	3
1	A	131	GLU	3
1	A	47	GLU	3
1	A	94	GLN	3
1	A	97	VAL	3
1	A	144	ASN	3
1	A	108	ASP	3
1	A	16	ASN	2
1	A	127	LEU	2
1	A	76	ARG	2
1	A	119	THR	2
1	A	139	HIS	2
1	A	44	ILE	2
1	A	103	ASP	2

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Mol	Chain	Res	Type	Models (Total)
1	A	120	TYR	2
1	A	74	MET	2
1	A	133	TYR	2
1	A	63	VAL	2
1	A	114	VAL	2
1	A	36	THR	2
1	A	84	CYS	2
1	A	12	ARG	2
1	A	33	ARG	1
1	A	48	HIS	1
1	A	81	PHE	1
1	A	43	VAL	1
1	A	91	THR	1
1	A	116	THR	1
1	A	136	GLU	1
1	A	6	VAL	1
1	A	64	THR	1
1	A	90	ARG	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 (i)

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	1578
Number of shifts mapped to atoms	1578
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	9

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	147	0.27 ± 0.09	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	133	0.30 ± 0.10	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	134	0.31 ± 0.25	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 79%, i.e. 1524 atoms were assigned a chemical shift out of a possible 1921. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	559/711 (79%)	287/291 (99%)	142/286 (50%)	130/134 (97%)
Sidechain	828/967 (86%)	553/630 (88%)	261/307 (85%)	14/30 (47%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	137/243 (56%)	82/121 (68%)	52/111 (47%)	3/11 (27%)
Overall	1524/1921 (79%)	922/1042 (88%)	455/704 (65%)	147/175 (84%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 78%, i.e. 1578 atoms were assigned a chemical shift out of a possible 2018. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	577/739 (78%)	296/302 (98%)	147/298 (49%)	134/139 (96%)
Sidechain	864/1036 (83%)	576/673 (86%)	272/326 (83%)	16/37 (43%)
Aromatic	137/243 (56%)	82/121 (68%)	52/111 (47%)	3/11 (27%)
Overall	1578/2018 (78%)	954/1096 (87%)	471/735 (64%)	153/187 (82%)

7.1.4 Statistically unusual chemical shifts (i)

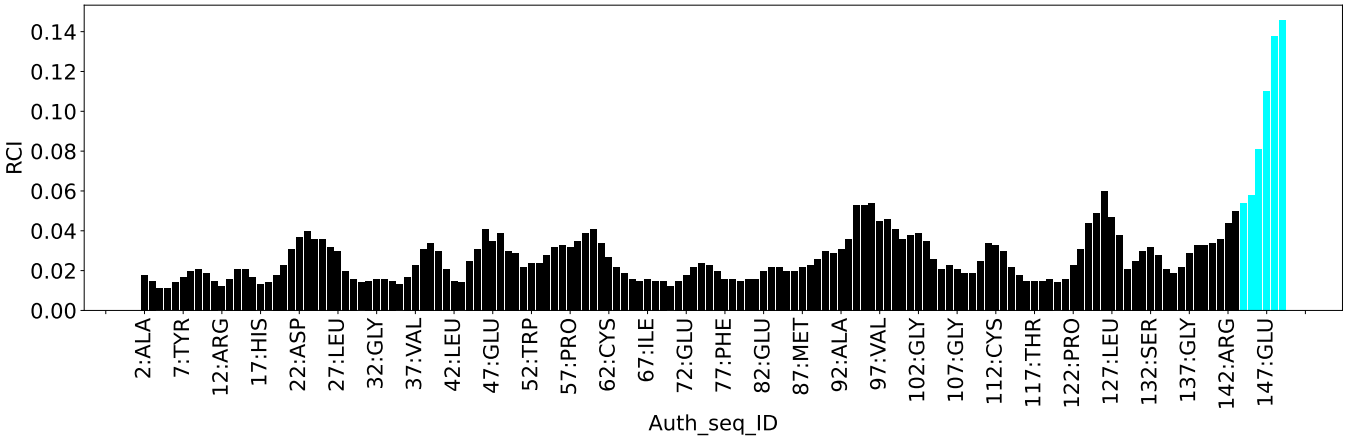
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	31	ARG	HB2	-0.06	0.52 – 3.08	-7.3
1	A	98	LEU	CG	34.31	21.37 – 32.19	7.0
1	A	75	LEU	CG	19.26	21.37 – 32.19	-7.0
1	A	45	ALA	HB1	-0.32	0.14 – 2.58	-6.9
1	A	45	ALA	HB2	-0.32	0.14 – 2.58	-6.9
1	A	45	ALA	HB3	-0.32	0.14 – 2.58	-6.9
1	A	82	GLU	CG	29.09	30.20 – 42.01	-5.9
1	A	12	ARG	HA	2.03	2.06 – 6.51	-5.1
1	A	124	TRP	HZ3	5.04	5.05 – 8.70	-5.0

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
2:ALA
7:TYR
12:ARG
17:HIS
22:ASP
27:LEU
32:GLY
37:VAL
42:LEU
47:GLU
52:TRP
57:PRO
62:CYS
67:ILE
72:GLU
77:PHE
82:GLU
87:MET
92:ALA
97:VAL
102:GLY
107:GLY
112:CYS
117:THR
122:PRO
127:LEU
132:SER
137:GLY
142:ARG
147:GLU
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	3015
Intra-residue (|i-j|=0)	568
Sequential (|i-j|=1)	835
Medium range (|i-j|>1 and |i-j|<5)	430
Long range (|i-j|≥5)	1182
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	20.2
Number of long range restraints per residue[1]	7.9

[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)	38.1	0.2
0.2-0.5 (Medium)	78.6	0.5
>0.5 (Large)	170.3	3.75

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)

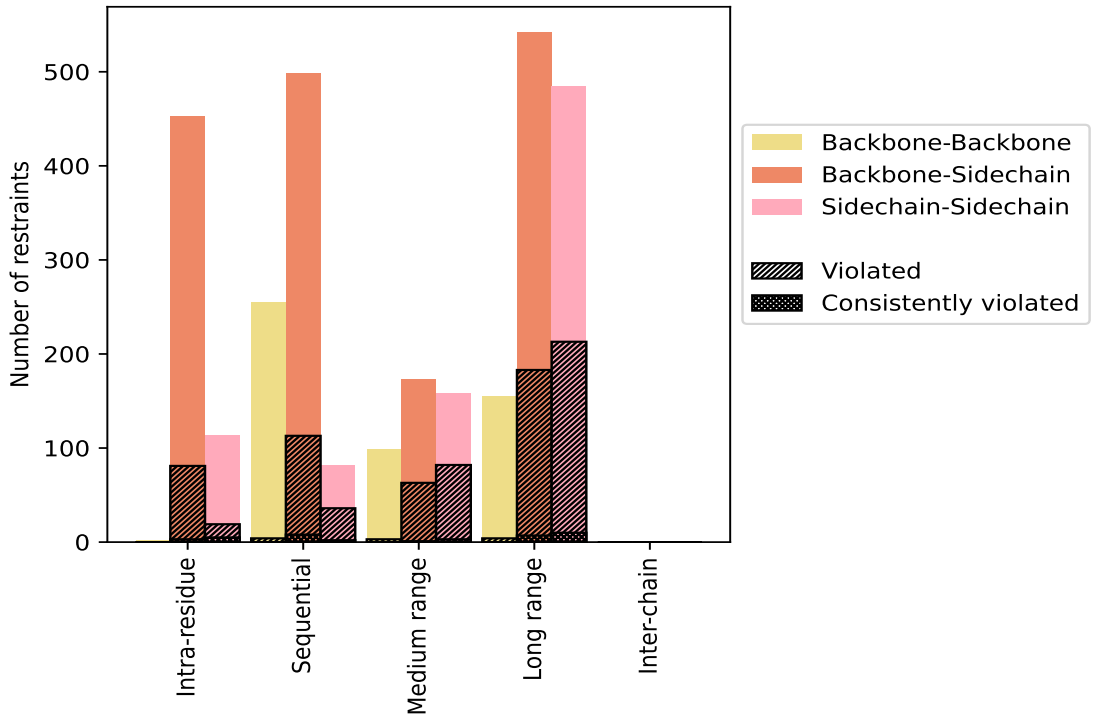
9.1 Summary of distance violations (i)

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)	568	18.8	100	17.6	3.3	8	1.4	0.3
Backbone-Backbone	2	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	453	15.0	81	17.9	2.7	3	0.7	0.1
Sidechain-Sidechain	113	3.7	19	16.8	0.6	5	4.4	0.2
Sequential (|i-j|=1)	835	27.7	153	18.3	5.1	10	1.2	0.3
Backbone-Backbone	255	8.5	4	1.6	0.1	0	0.0	0.0
Backbone-Sidechain	498	16.5	113	22.7	3.7	8	1.6	0.3
Sidechain-Sidechain	82	2.7	36	43.9	1.2	2	2.4	0.1
Medium range (|i-j|>1 & |i-j|<5)	430	14.3	148	34.4	4.9	4	0.9	0.1
Backbone-Backbone	99	3.3	3	3.0	0.1	0	0.0	0.0
Backbone-Sidechain	173	5.7	63	36.4	2.1	1	0.6	0.0
Sidechain-Sidechain	158	5.2	82	51.9	2.7	3	1.9	0.1
Long range (|i-j|≥5)	1182	39.2	400	33.8	13.3	17	1.4	0.6
Backbone-Backbone	155	5.1	4	2.6	0.1	0	0.0	0.0
Backbone-Sidechain	542	18.0	183	33.8	6.1	7	1.3	0.2
Sidechain-Sidechain	485	16.1	213	43.9	7.1	10	2.1	0.3
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	3015	100.0	801	26.6	26.6	39	1.3	1.3
Backbone-Backbone	511	16.9	11	2.2	0.4	0	0.0	0.0
Backbone-Sidechain	1666	55.3	440	26.4	14.6	19	1.1	0.6
Sidechain-Sidechain	838	27.8	350	41.8	11.6	20	2.4	0.7

[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	30	50	34	155	0	269	0.81	2.62	0.56	0.65
2	35	59	50	150	0	294	0.77	2.64	0.58	0.62
3	34	57	49	156	0	296	0.78	2.63	0.56	0.66
4	35	59	56	125	0	275	0.73	3.74	0.58	0.59
5	36	55	51	139	0	281	0.8	3.02	0.59	0.67
6	33	50	44	136	0	263	0.78	3.15	0.56	0.66
7	34	56	56	150	0	296	0.78	3.29	0.57	0.71
8	31	52	39	117	0	239	0.71	3.01	0.52	0.58
9	40	59	54	139	0	292	0.73	3.0	0.59	0.58
10	40	51	48	136	0	275	0.74	3.38	0.58	0.59

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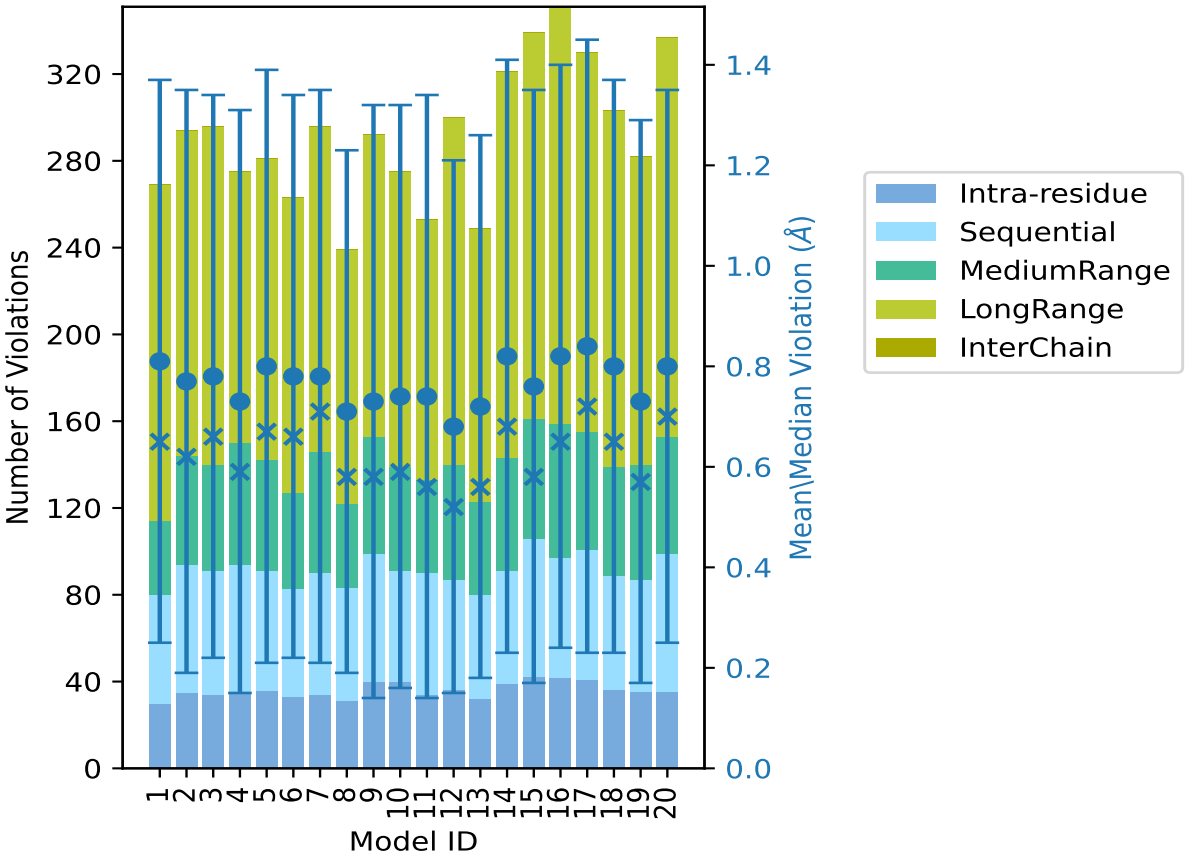
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	34	56	43	120	0	253	0.74	3.09	0.6	0.56
12	36	51	53	160	0	300	0.68	3.64	0.53	0.52
13	32	48	43	126	0	249	0.72	2.53	0.54	0.56
14	39	52	52	178	0	321	0.82	2.97	0.59	0.68
15	42	64	55	178	0	339	0.76	3.17	0.59	0.58
16	42	55	62	192	0	351	0.82	2.72	0.58	0.65
17	41	60	54	175	0	330	0.84	3.75	0.61	0.72
18	36	53	50	164	0	303	0.8	2.47	0.57	0.65
19	35	52	53	142	0	282	0.73	2.56	0.56	0.57
20	35	64	54	184	0	337	0.8	2.55	0.55	0.7

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

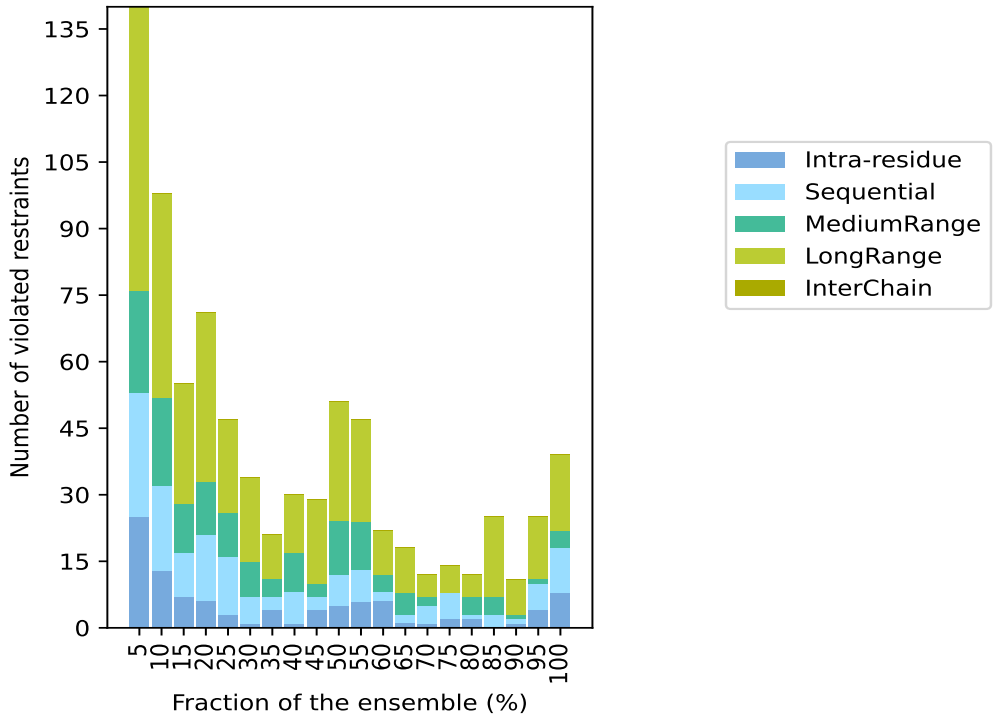
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2214(IR:468, SQ:682, MR:282, LR:782, 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]	%
25	28	23	64	0	140	1	5.0
13	19	20	46	0	98	2	10.0
7	10	11	27	0	55	3	15.0
6	15	12	38	0	71	4	20.0
3	13	10	21	0	47	5	25.0
1	6	8	19	0	34	6	30.0
4	3	4	10	0	21	7	35.0
1	7	9	13	0	30	8	40.0
4	3	3	19	0	29	9	45.0
5	7	12	27	0	51	10	50.0
6	7	11	23	0	47	11	55.0
6	2	4	10	0	22	12	60.0
1	2	5	10	0	18	13	65.0
1	4	2	5	0	12	14	70.0
2	6	0	6	0	14	15	75.0
2	1	4	5	0	12	16	80.0
0	3	4	18	0	25	17	85.0
1	1	1	8	0	11	18	90.0
4	6	1	14	0	25	19	95.0
8	10	4	17	0	39	20	100.0

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

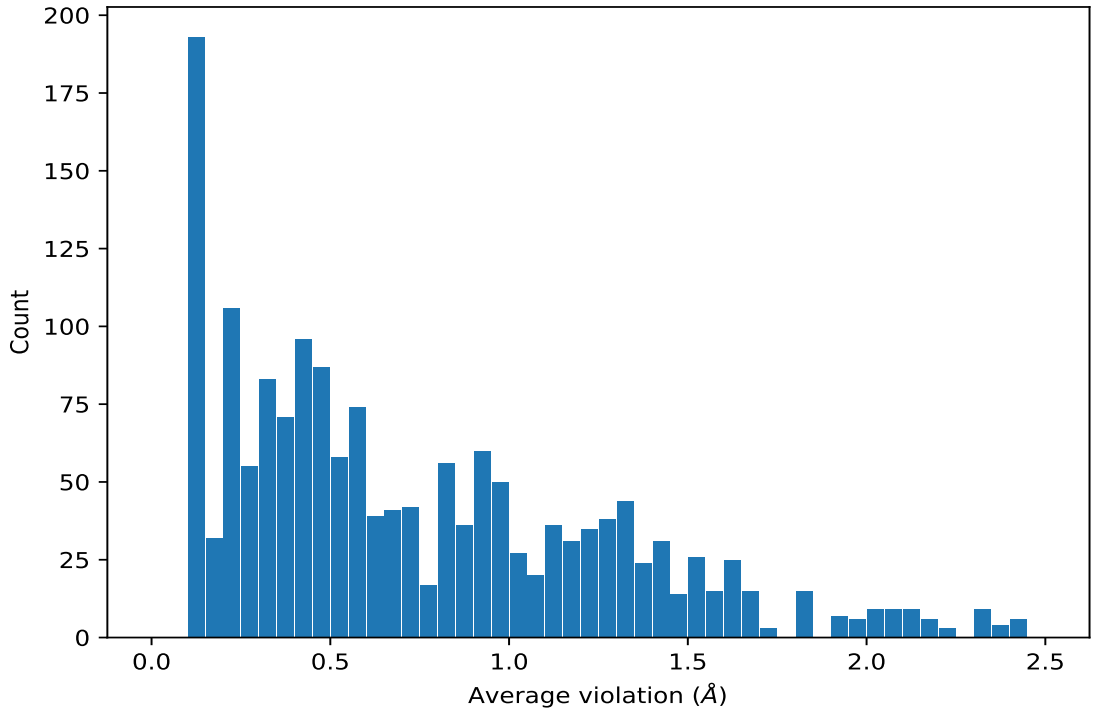
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	20	2.33	0.56	2.47
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	20	2.33	0.56	2.47
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	20	2.33	0.56	2.47
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	20	1.93	0.78	2.19
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	20	1.93	0.78	2.19
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	20	1.93	0.78	2.19
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	20	1.64	0.34	1.78
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	20	1.53	0.34	1.6
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	20	1.31	0.35	1.45
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	20	1.24	0.1	1.27
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	20	1.24	0.3	1.33
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	20	1.18	0.19	1.16
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	20	1.18	0.19	1.16
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	20	1.12	0.28	1.21
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	20	1.12	0.28	1.21
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	20	1.12	0.28	1.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	20	1.12	0.34	1.18
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	20	1.1	0.27	1.09
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	20	1.1	0.27	1.09
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	20	1.1	0.27	1.09
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	20	1.06	0.27	1.1
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	20	1.04	0.34	1.06
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	20	1.03	0.37	1.06
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	20	0.98	0.09	1.0
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	20	0.94	0.37	1.04
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	20	0.87	0.06	0.87
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	20	0.87	0.21	0.98
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	20	0.85	0.32	0.86
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	20	0.85	0.32	0.86
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	20	0.83	0.26	0.82
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	20	0.82	0.49	0.67
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	20	0.8	0.13	0.83
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	20	0.79	0.26	0.78
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	20	0.74	0.18	0.76
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	20	0.71	0.17	0.74
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	20	0.68	0.12	0.74
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	20	0.63	0.27	0.66
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	20	0.62	0.22	0.6
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	20	0.62	0.22	0.6
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	20	0.55	0.05	0.54
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	20	0.54	0.13	0.62
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	20	0.49	0.2	0.41
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	20	0.49	0.2	0.41
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	20	0.45	0.09	0.49
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	20	0.45	0.09	0.49
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	20	0.45	0.09	0.49
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	20	0.45	0.03	0.46
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	20	0.43	0.05	0.44
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	20	0.42	0.05	0.43
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	20	0.39	0.04	0.39
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	20	0.35	0.07	0.34
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	20	0.31	0.06	0.31
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	20	0.28	0.03	0.28
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	19	2.24	0.75	2.47
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	19	2.24	0.75	2.47
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	19	2.24	0.75	2.47
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	19	1.81	1.16	1.73
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	19	1.81	1.16	1.73

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	19	1.81	1.16	1.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	19	1.81	1.16	1.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	19	1.81	1.16	1.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	19	1.81	1.16	1.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	19	1.81	1.16	1.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	19	1.81	1.16	1.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	19	1.81	1.16	1.73
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	19	1.49	0.23	1.55
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	19	1.28	0.34	1.25
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	19	1.25	0.22	1.29
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	19	1.25	0.22	1.29
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	19	1.15	0.26	1.12
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	19	0.97	0.31	0.96
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	19	0.91	0.17	0.87
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	19	0.87	0.45	0.81
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	19	0.87	0.45	0.81
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	19	0.87	0.45	0.81
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	19	0.81	0.18	0.84
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	19	0.75	0.19	0.78
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	19	0.71	0.31	0.79
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	19	0.66	0.1	0.66
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	19	0.53	0.26	0.54
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	19	0.51	0.23	0.53
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	19	0.5	0.27	0.5
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	19	0.49	0.1	0.53
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	19	0.43	0.04	0.41
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	19	0.42	0.12	0.41
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	19	0.4	0.2	0.33
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	19	0.31	0.07	0.33
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	19	0.3	0.06	0.33
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	19	0.3	0.03	0.3
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	19	0.25	0.06	0.27
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	19	0.15	0.01	0.15
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	18	1.91	0.83	2.45
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	18	1.14	0.18	1.08
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	18	1.01	0.29	1.13
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	18	1.01	0.29	1.13
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	18	1.01	0.29	1.13
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	18	0.78	0.55	0.64
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	18	0.71	0.38	0.68
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	18	0.6	0.27	0.58
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	18	0.52	0.14	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	18	0.52	0.14	0.55
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	18	0.52	0.14	0.55
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	18	0.48	0.18	0.48
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	18	0.45	0.19	0.42
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	18	0.45	0.19	0.42
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	18	0.41	0.11	0.38
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	18	0.18	0.01	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	18	0.18	0.01	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	18	0.18	0.01	0.18
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	17	2.03	0.25	1.97
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	17	2.03	0.25	1.97
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	17	2.03	0.25	1.97
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	17	1.94	0.19	1.99
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	17	1.94	0.19	1.99
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	17	1.94	0.19	1.99
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	17	1.54	0.2	1.47
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	17	1.54	0.2	1.47
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	17	1.54	0.2	1.47
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	17	1.54	0.2	1.47
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	17	1.54	0.2	1.47
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	17	1.54	0.2	1.47
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	17	1.54	0.27	1.6
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	17	1.54	0.27	1.6
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	17	1.54	0.27	1.6
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	17	1.33	0.58	1.1
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	17	1.32	0.21	1.37
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	17	1.32	0.21	1.37
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	17	1.32	0.21	1.37
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	17	1.3	0.77	1.59
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	17	1.3	0.77	1.59
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	17	1.3	0.77	1.59
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	17	1.3	0.77	1.59
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	17	1.3	0.77	1.59
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	17	1.3	0.77	1.59
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	17	1.3	0.77	1.59
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	17	1.3	0.77	1.59
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	17	1.3	0.77	1.59
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	17	1.23	0.26	1.27
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	17	1.23	0.26	1.27
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	17	1.23	0.26	1.27
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	17	1.23	0.26	1.27
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	17	1.23	0.26	1.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	17	1.23	0.26	1.27
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	17	1.23	0.26	1.27
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	17	1.23	0.26	1.27
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	17	1.23	0.26	1.27
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	17	1.16	0.37	1.05
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	17	1.16	0.37	1.05
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	17	1.16	0.37	1.05
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	17	1.16	0.37	1.05
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	17	1.16	0.37	1.05
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	17	1.16	0.37	1.05
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	17	1.15	0.19	1.14
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	17	1.15	0.19	1.14
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	17	1.15	0.19	1.14
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	17	1.06	0.19	1.13
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	17	1.06	0.19	1.13
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	17	1.06	0.19	1.13
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	17	0.9	0.11	0.89
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	17	0.88	0.2	0.95
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	17	0.86	0.31	0.86
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	17	0.75	0.36	0.91
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	17	0.72	0.27	0.82
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	17	0.72	0.27	0.82
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	17	0.7	0.19	0.72
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	17	0.61	0.34	0.54
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	17	0.56	0.25	0.57
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	17	0.56	0.25	0.57
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	17	0.55	0.26	0.54
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	17	0.49	0.22	0.51
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	17	0.48	0.26	0.4
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	17	0.48	0.26	0.4
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	17	0.48	0.26	0.4
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	17	0.44	0.25	0.39
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	17	0.44	0.25	0.39
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	17	0.44	0.25	0.39
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	17	0.39	0.28	0.27
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	17	0.39	0.28	0.27
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	17	0.39	0.28	0.27
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	17	0.37	0.27	0.35
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	16	2.07	0.88	1.64
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	16	2.07	0.88	1.64
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	16	2.07	0.88	1.64
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	16	2.07	0.88	1.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	16	2.07	0.88	1.64
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	16	2.07	0.88	1.64
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	16	2.07	0.88	1.64
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	16	2.07	0.88	1.64
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	16	2.07	0.88	1.64
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	16	1.62	0.65	1.56
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	16	1.62	0.65	1.56
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	16	1.62	0.65	1.56
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	16	1.62	0.65	1.56
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	16	1.62	0.65	1.56
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	16	1.62	0.65	1.56
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	16	1.62	0.65	1.56
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	16	1.62	0.65	1.56
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	16	1.62	0.65	1.56
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	16	1.38	0.3	1.46
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	16	1.17	0.32	1.25
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	16	1.17	0.32	1.25
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	16	1.17	0.32	1.25
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	16	0.83	0.26	0.86
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	16	0.65	0.29	0.73
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	16	0.65	0.29	0.73
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	16	0.65	0.29	0.73
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	16	0.63	0.37	0.52
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	16	0.53	0.24	0.56
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	16	0.48	0.19	0.46
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	16	0.48	0.19	0.46
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	16	0.48	0.19	0.46
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	16	0.48	0.19	0.46
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	16	0.48	0.19	0.46
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	16	0.48	0.19	0.46
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	16	0.45	0.22	0.4
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	16	0.45	0.22	0.4
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	16	0.45	0.22	0.4
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	16	0.3	0.04	0.29
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	16	0.23	0.09	0.2
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	15	0.97	0.13	0.94
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	15	0.94	0.44	1.04
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	15	0.87	0.2	0.85
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	15	0.65	0.77	0.11
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	15	0.65	0.77	0.11
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	15	0.65	0.77	0.11
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	15	0.59	0.15	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	15	0.57	0.19	0.54
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	15	0.57	0.24	0.57
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	15	0.39	0.2	0.35
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	15	0.39	0.05	0.38
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	15	0.35	0.08	0.37
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	15	0.34	0.16	0.34
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	15	0.34	0.11	0.32
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	15	0.29	0.07	0.29
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	15	0.27	0.05	0.29
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	14	2.34	0.51	2.46
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	14	2.34	0.51	2.46
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	14	2.34	0.51	2.46
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	14	1.69	0.77	2.04
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	14	1.69	0.77	2.04
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	14	1.69	0.77	2.04
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	14	1.27	0.61	1.58
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	14	1.27	0.61	1.58
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	14	1.27	0.61	1.58
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	14	0.73	0.36	0.85
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	14	0.69	0.2	0.72
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	14	0.66	0.09	0.67
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	14	0.61	0.25	0.62
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	14	0.56	0.16	0.59
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	14	0.56	0.16	0.59
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	14	0.48	0.17	0.48
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	14	0.41	0.09	0.45
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	14	0.33	0.31	0.16
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	14	0.33	0.31	0.16
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	14	0.33	0.31	0.16
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	14	0.33	0.31	0.16
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	14	0.33	0.31	0.16
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	14	0.33	0.31	0.16
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	14	0.33	0.31	0.16
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	14	0.33	0.31	0.16
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	14	0.33	0.31	0.16
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	14	0.29	0.13	0.27
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	14	0.29	0.13	0.27
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	13	1.47	0.47	1.59
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	13	1.47	0.47	1.59
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	13	1.47	0.47	1.59
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	13	1.47	0.47	1.59
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	13	1.47	0.47	1.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	13	1.47	0.47	1.59
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	13	1.33	0.83	1.68
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	13	1.33	0.83	1.68
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	13	1.33	0.83	1.68
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	13	1.33	0.83	1.68
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	13	1.33	0.83	1.68
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	13	1.33	0.83	1.68
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	13	1.15	0.22	1.22
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	13	1.15	0.22	1.22
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	13	1.15	0.22	1.22
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	13	1.08	0.51	1.27
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	13	1.08	0.51	1.27
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	13	1.08	0.51	1.27
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	13	0.96	0.53	0.99
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	13	0.96	0.53	0.99
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	13	0.96	0.53	0.99
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	13	0.96	0.1	1.0
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	13	0.96	0.1	1.0
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	13	0.96	0.1	1.0
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	13	0.9	0.4	1.06
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	13	0.9	0.4	1.06
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	13	0.9	0.4	1.06
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	13	0.88	0.36	0.76
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	13	0.88	0.36	0.76
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	13	0.88	0.36	0.76
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	13	0.8	0.46	0.77
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	13	0.8	0.46	0.77
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	13	0.71	0.36	0.79
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	13	0.71	0.36	0.79
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	13	0.71	0.36	0.79
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	13	0.6	0.23	0.61
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	13	0.6	0.23	0.61
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	13	0.6	0.23	0.61
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	13	0.45	0.14	0.42
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	13	0.44	0.13	0.43
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	13	0.43	0.23	0.37
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	13	0.43	0.23	0.37
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	13	0.41	0.2	0.46
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	13	0.41	0.19	0.37
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	13	0.4	0.22	0.36
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	13	0.37	0.12	0.37
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	13	0.37	0.12	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	12	2.34	0.11	2.34
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	12	2.34	0.11	2.34
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	12	2.34	0.11	2.34
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	12	2.1	0.1	2.1
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	12	2.1	0.1	2.1
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	12	2.1	0.1	2.1
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	12	2.0	0.1	2.0
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	12	2.0	0.1	2.0
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	12	2.0	0.1	2.0
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	12	1.96	0.62	2.1
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	12	1.96	0.62	2.1
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	12	1.96	0.62	2.1
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	12	1.43	0.71	1.62
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	12	1.43	0.71	1.62
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	12	1.43	0.71	1.62
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	12	1.41	0.82	1.62
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	12	1.41	0.82	1.62
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	12	1.41	0.82	1.62
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	12	1.41	0.82	1.62
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	12	1.41	0.82	1.62
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	12	1.41	0.82	1.62
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	12	1.41	0.82	1.62
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	12	1.41	0.82	1.62
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	12	1.41	0.82	1.62
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	12	1.24	0.45	1.29
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	12	1.24	0.45	1.29
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	12	1.24	0.45	1.29
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	12	1.24	0.66	1.56
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	12	1.24	0.66	1.56
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	12	1.24	0.66	1.56
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	12	0.94	0.3	1.02
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	12	0.93	0.06	0.94
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	12	0.8	0.51	0.62
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	12	0.7	0.39	0.67
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	12	0.7	0.39	0.67
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	12	0.7	0.39	0.67
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	12	0.66	0.26	0.66
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	12	0.66	0.26	0.66
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	12	0.66	0.26	0.66
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	12	0.66	0.26	0.66
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	12	0.66	0.26	0.66
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	12	0.66	0.26	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	12	0.56	0.33	0.46
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	12	0.55	0.03	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	12	0.55	0.03	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	12	0.55	0.03	0.54
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	12	0.44	0.11	0.42
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	12	0.4	0.17	0.4
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	12	0.4	0.25	0.26
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	12	0.4	0.25	0.26
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	12	0.4	0.25	0.26
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	12	0.34	0.16	0.3
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	12	0.19	0.06	0.18
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	12	0.15	0.05	0.14
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	12	0.14	0.03	0.13
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	11	2.19	0.21	2.22
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	11	2.19	0.21	2.22
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	11	2.19	0.21	2.22
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	11	2.19	0.21	2.22
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	11	2.19	0.21	2.22
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	11	2.19	0.21	2.22
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	11	2.14	0.17	2.21
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	11	2.14	0.17	2.21
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	11	2.14	0.17	2.21
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	11	1.97	0.61	2.17
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	11	1.97	0.61	2.17
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	11	1.97	0.61	2.17
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	11	1.67	0.25	1.53
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	11	1.67	0.25	1.53
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	11	1.67	0.25	1.53
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	11	1.64	0.3	1.62
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	11	1.64	0.3	1.62
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	11	1.64	0.3	1.62
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	11	1.61	0.34	1.76
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	11	1.61	0.34	1.76
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	11	1.61	0.34	1.76
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	11	1.58	0.24	1.51
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	11	1.58	0.24	1.51
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	11	1.58	0.24	1.51
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	11	1.55	0.69	1.63
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	11	1.55	0.69	1.63
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	11	1.55	0.69	1.63
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	11	1.52	0.31	1.45
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	11	1.52	0.31	1.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	11	1.52	0.31	1.45
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	11	1.52	0.42	1.65
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	11	1.52	0.42	1.65
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	11	1.52	0.42	1.65
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	11	1.5	0.24	1.56
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	11	1.5	0.24	1.56
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	11	1.5	0.24	1.56
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	11	1.49	0.39	1.55
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	11	1.49	0.39	1.55
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	11	1.49	0.39	1.55
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	11	1.39	0.14	1.32
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	11	1.39	0.14	1.32
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	11	1.39	0.14	1.32
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	11	1.39	0.28	1.43
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	11	1.39	0.28	1.43
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	11	1.39	0.28	1.43
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	11	1.38	0.25	1.45
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	11	1.38	0.25	1.45
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	11	1.38	0.25	1.45
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	11	1.38	0.25	1.45
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	11	1.38	0.25	1.45
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	11	1.38	0.25	1.45
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	11	1.37	0.25	1.37
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	11	1.37	0.25	1.37
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	11	1.37	0.25	1.37
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	11	1.33	0.23	1.37
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	11	1.33	0.23	1.37
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	11	1.33	0.23	1.37
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	11	1.3	0.15	1.24
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	11	1.3	0.15	1.24
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	11	1.3	0.15	1.24
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	11	1.24	0.42	1.34
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	11	1.24	0.42	1.34
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	11	1.24	0.42	1.34
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	11	1.24	0.42	1.34
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	11	1.24	0.42	1.34
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	11	1.24	0.42	1.34
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	11	1.24	0.42	1.34
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	11	1.24	0.42	1.34
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	11	1.24	0.42	1.34
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	11	1.23	0.24	1.21
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	11	1.23	0.24	1.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	11	1.23	0.24	1.21
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	11	1.18	0.35	1.11
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	11	1.18	0.35	1.11
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	11	1.18	0.35	1.11
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	11	1.18	0.35	1.11
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	11	1.18	0.35	1.11
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	11	1.18	0.35	1.11
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	11	1.17	0.13	1.16
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	11	1.17	0.13	1.16
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	11	1.17	0.13	1.16
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	11	1.12	0.07	1.15
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	11	1.12	0.43	1.06
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	11	1.12	0.43	1.06
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	11	1.12	0.43	1.06
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	11	1.02	0.32	1.02
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	11	1.02	0.32	1.02
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	11	1.02	0.32	1.02
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	11	0.99	0.06	1.01
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	11	0.99	0.06	1.01
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	11	0.99	0.06	1.01
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	11	0.94	0.33	0.9
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	11	0.94	0.33	0.9
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	11	0.94	0.33	0.9
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	11	0.94	0.33	0.9
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	11	0.94	0.33	0.9
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	11	0.94	0.33	0.9
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	11	0.94	0.25	1.01
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	11	0.92	0.31	0.96
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	11	0.92	0.31	0.96
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	11	0.92	0.31	0.96
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	11	0.85	0.13	0.87
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	11	0.84	0.3	0.77
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	11	0.84	0.3	0.77
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	11	0.84	0.3	0.77
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	11	0.84	0.3	0.77
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	11	0.84	0.3	0.77
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	11	0.84	0.3	0.77
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	11	0.84	0.3	0.77
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	11	0.84	0.3	0.77
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	11	0.84	0.3	0.77
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	11	0.73	0.03	0.74
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	11	0.73	0.03	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	11	0.73	0.03	0.74
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	11	0.72	0.16	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	11	0.72	0.16	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	11	0.72	0.16	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	11	0.72	0.16	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	11	0.72	0.16	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	11	0.72	0.16	0.81
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	11	0.64	0.07	0.65
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	11	0.64	0.07	0.65
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	11	0.64	0.07	0.65
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	11	0.6	0.41	0.42
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	11	0.6	0.41	0.42
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	11	0.58	0.33	0.47
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	11	0.58	0.33	0.47
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	11	0.58	0.33	0.47
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	11	0.52	0.15	0.6
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	11	0.52	0.15	0.6
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	11	0.52	0.15	0.6
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	11	0.48	0.04	0.48
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	11	0.48	0.04	0.48
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	11	0.48	0.04	0.48
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	11	0.43	0.15	0.42
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	11	0.4	0.15	0.42
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	11	0.37	0.11	0.42
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	11	0.34	0.08	0.35
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	11	0.33	0.07	0.37
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	11	0.31	0.08	0.33
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	11	0.3	0.13	0.28
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	11	0.3	0.13	0.28
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	11	0.3	0.13	0.28
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	11	0.24	0.04	0.26
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	11	0.24	0.04	0.26
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	11	0.24	0.04	0.26
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	11	0.23	0.13	0.2
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	11	0.23	0.13	0.2
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	11	0.23	0.13	0.2
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	11	0.23	0.13	0.2
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	11	0.23	0.13	0.2
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	11	0.23	0.13	0.2
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	11	0.23	0.13	0.2
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	11	0.23	0.13	0.2
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	11	0.23	0.13	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	10	2.05	0.19	2.06
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	10	2.05	0.19	2.06
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	10	2.05	0.19	2.06
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	10	1.81	0.25	1.8
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	10	1.81	0.25	1.8
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	10	1.81	0.25	1.8
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	10	1.65	0.2	1.7
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	10	1.65	0.2	1.7
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	10	1.65	0.2	1.7
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	10	1.61	0.19	1.63
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	10	1.61	0.19	1.63
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	10	1.61	0.19	1.63
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	10	1.55	0.22	1.54
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	10	1.55	0.22	1.54
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	10	1.55	0.22	1.54
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	10	1.54	0.11	1.59
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	10	1.54	0.11	1.59
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	10	1.54	0.11	1.59
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	10	1.5	0.38	1.56
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	10	1.5	0.38	1.56
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	10	1.5	0.38	1.56
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	10	1.41	0.26	1.49
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	10	1.41	0.26	1.49
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	10	1.41	0.26	1.49
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	10	1.34	0.19	1.3
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	10	1.34	0.19	1.3
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	10	1.34	0.19	1.3
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	10	1.21	0.25	1.17
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	10	1.21	0.25	1.17
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	10	1.21	0.25	1.17
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	10	1.13	0.35	1.29
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	10	1.13	0.35	1.29
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	10	1.13	0.35	1.29
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	10	1.11	0.14	1.1
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	10	1.11	0.14	1.1
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	10	1.11	0.14	1.1
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	10	1.06	0.38	1.28
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	10	1.06	0.38	1.28
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	10	1.06	0.38	1.28
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	10	1.01	0.29	1.01
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	10	1.01	0.29	1.01
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	10	1.01	0.29	1.01

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	10	1.01	0.19	1.07
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	10	1.01	0.19	1.07
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	10	1.01	0.19	1.07
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	10	0.98	0.37	1.02
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	10	0.98	0.37	1.02
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	10	0.98	0.37	1.02
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	10	0.98	0.37	0.98
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	10	0.98	0.37	0.98
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	10	0.98	0.37	0.98
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	10	0.98	0.37	0.98
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	10	0.98	0.37	0.98
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	10	0.98	0.37	0.98
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	10	0.98	0.27	0.9
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	10	0.98	0.27	0.9
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	10	0.98	0.27	0.9
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	10	0.96	0.36	1.0
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	10	0.96	0.36	1.0
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	10	0.96	0.36	1.0
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	10	0.94	0.25	0.9
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	10	0.94	0.25	0.9
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	10	0.94	0.25	0.9
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	10	0.93	0.14	0.9
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	10	0.93	0.14	0.9
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	10	0.93	0.14	0.9
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	10	0.92	0.13	0.9
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	10	0.92	0.13	0.9
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	10	0.92	0.13	0.9
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	10	0.92	0.13	0.9
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	10	0.92	0.13	0.9
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	10	0.92	0.13	0.9
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	10	0.92	0.13	0.9
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	10	0.92	0.13	0.9
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	10	0.92	0.13	0.9
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	10	0.88	0.26	0.9
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	10	0.88	0.26	0.9
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	10	0.88	0.26	0.9
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	10	0.87	0.23	0.94
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	10	0.87	0.23	0.94
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	10	0.87	0.23	0.94
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	10	0.87	0.37	0.84
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	10	0.85	0.12	0.88
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	10	0.85	0.12	0.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	10	0.85	0.12	0.88
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	10	0.84	0.45	0.76
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	10	0.84	0.45	0.76
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	10	0.84	0.45	0.76
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	10	0.8	0.49	0.68
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	10	0.8	0.49	0.68
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	10	0.8	0.49	0.68
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	10	0.79	0.19	0.8
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	10	0.79	0.19	0.8
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	10	0.79	0.19	0.8
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	10	0.76	0.12	0.82
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	10	0.76	0.12	0.82
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	10	0.76	0.12	0.82
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	10	0.72	0.35	0.77
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	10	0.72	0.35	0.77
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	10	0.72	0.35	0.77
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	10	0.72	0.18	0.67
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	10	0.72	0.18	0.67
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	10	0.72	0.18	0.67
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	10	0.58	0.06	0.56
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	10	0.58	0.06	0.56
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	10	0.58	0.06	0.56
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	10	0.57	0.37	0.55
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	10	0.53	0.16	0.5
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	10	0.52	0.32	0.46
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	10	0.52	0.32	0.46
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	10	0.52	0.32	0.46
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	10	0.51	0.28	0.42
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	10	0.51	0.28	0.42
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	10	0.51	0.28	0.42
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	10	0.49	0.29	0.42
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	10	0.49	0.29	0.42
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	10	0.49	0.29	0.42
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	10	0.46	0.07	0.44
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	10	0.46	0.07	0.44
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	10	0.46	0.07	0.44
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	10	0.45	0.2	0.46
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	10	0.41	0.37	0.13
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	10	0.41	0.37	0.13
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	10	0.41	0.37	0.13
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	10	0.41	0.37	0.13
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	10	0.41	0.37	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	10	0.41	0.37	0.13
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	10	0.41	0.16	0.46
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	10	0.41	0.16	0.46
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	10	0.37	0.14	0.39
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	10	0.34	0.2	0.26
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	10	0.31	0.08	0.36
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	10	0.31	0.11	0.3
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	10	0.28	0.1	0.26
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	10	0.28	0.1	0.26
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	10	0.28	0.1	0.26
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	10	0.27	0.08	0.27
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	10	0.27	0.08	0.27
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	10	0.27	0.08	0.27
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	10	0.25	0.12	0.21
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	10	0.16	0.01	0.16
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	10	0.12	0.01	0.12
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	9	2.39	0.11	2.4
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	9	2.39	0.11	2.4
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	9	2.39	0.11	2.4
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	9	1.67	0.26	1.66
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	9	1.67	0.26	1.66
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	9	1.67	0.26	1.66
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	9	1.32	0.24	1.18
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	9	1.32	0.24	1.18
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	9	1.32	0.24	1.18
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	9	1.32	0.22	1.22
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	9	1.32	0.22	1.22
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	9	1.32	0.22	1.22
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	9	1.26	0.53	1.2
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	9	1.26	0.53	1.2
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	9	1.26	0.53	1.2
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	9	1.26	0.53	1.2
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	9	1.26	0.53	1.2
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	9	1.26	0.53	1.2
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	9	1.26	0.53	1.2
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	9	1.26	0.53	1.2
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	9	1.26	0.53	1.2
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	9	1.25	0.29	1.26
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	9	1.25	0.29	1.26
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	9	1.25	0.29	1.26
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	9	1.25	0.29	1.26
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	9	1.25	0.29	1.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	9	1.25	0.29	1.26
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	9	1.25	0.29	1.26
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	9	1.25	0.29	1.26
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	9	1.25	0.29	1.26
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	9	1.14	0.35	1.16
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	9	1.14	0.35	1.16
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	9	1.14	0.35	1.16
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	9	1.08	0.13	1.07
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	9	1.08	0.13	1.07
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	9	1.08	0.13	1.07
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	9	1.08	0.13	1.07
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	9	1.08	0.13	1.07
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	9	1.08	0.13	1.07
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	9	0.94	0.35	1.0
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	9	0.94	0.35	1.0
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	9	0.94	0.35	1.0
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	9	0.92	0.16	0.87
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	9	0.92	0.16	0.87
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	9	0.92	0.16	0.87
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	9	0.67	0.41	0.54
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	9	0.67	0.41	0.54
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	9	0.67	0.41	0.54
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	9	0.65	0.32	0.59
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	9	0.65	0.32	0.59
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	9	0.65	0.32	0.59
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	9	0.63	0.32	0.76
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	9	0.63	0.32	0.76
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	9	0.63	0.32	0.76
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	9	0.63	0.32	0.76
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	9	0.63	0.32	0.76
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	9	0.63	0.32	0.76
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	9	0.63	0.17	0.68
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	9	0.63	0.17	0.68
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	9	0.63	0.17	0.68
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	9	0.59	0.06	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	9	0.59	0.06	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	9	0.59	0.06	0.59
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	9	0.53	0.17	0.52
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	9	0.53	0.17	0.52
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	9	0.53	0.17	0.52
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	9	0.52	0.32	0.53
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	9	0.52	0.32	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	9	0.52	0.32	0.53
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	9	0.52	0.32	0.53
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	9	0.52	0.32	0.53
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	9	0.52	0.32	0.53
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	9	0.52	0.32	0.53
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	9	0.52	0.32	0.53
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	9	0.52	0.32	0.53
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	9	0.49	0.14	0.54
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	9	0.49	0.14	0.54
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	9	0.49	0.14	0.54
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	9	0.49	0.05	0.48
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	9	0.49	0.05	0.48
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	9	0.41	0.09	0.43
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	9	0.4	0.24	0.42
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	9	0.4	0.24	0.42
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	9	0.4	0.24	0.42
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	9	0.4	0.36	0.21
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	9	0.4	0.36	0.21
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	9	0.4	0.36	0.21
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	9	0.4	0.36	0.21
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	9	0.4	0.36	0.21
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	9	0.4	0.36	0.21
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	9	0.4	0.36	0.21
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	9	0.4	0.36	0.21
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	9	0.4	0.36	0.21
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	9	0.37	0.34	0.2
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	9	0.32	0.11	0.32
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	9	0.32	0.11	0.32
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	9	0.32	0.11	0.32
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	9	0.27	0.02	0.28
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	9	0.27	0.13	0.29
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	9	0.26	0.09	0.33
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	9	0.23	0.08	0.24
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	9	0.23	0.08	0.24
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	9	0.23	0.08	0.24
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	9	0.13	0.01	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	9	0.13	0.01	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	9	0.13	0.01	0.13
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	8	1.17	0.27	1.25
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	8	1.17	0.27	1.25
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	8	1.17	0.27	1.25
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	8	1.05	0.6	1.09

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	8	0.99	0.46	0.98
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	8	0.91	0.28	1.0
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	8	0.91	0.28	1.0
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	8	0.91	0.28	1.0
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	8	0.91	0.28	1.0
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	8	0.91	0.28	1.0
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	8	0.91	0.28	1.0
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	8	0.9	0.29	0.98
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	8	0.9	0.29	0.98
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	8	0.9	0.29	0.98
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	8	0.82	0.03	0.83
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	8	0.8	0.57	0.74
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	8	0.78	0.19	0.74
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	8	0.74	0.19	0.81
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	8	0.68	0.59	0.54
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	8	0.68	0.59	0.54
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	8	0.68	0.59	0.54
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	8	0.59	0.29	0.57
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	8	0.59	0.29	0.57
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	8	0.59	0.29	0.57
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	8	0.57	0.1	0.57
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	8	0.56	0.44	0.35
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	8	0.55	0.33	0.62
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	8	0.55	0.33	0.62
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	8	0.55	0.33	0.62
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	8	0.54	0.29	0.63
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	8	0.54	0.29	0.63
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	8	0.54	0.29	0.63
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	8	0.51	0.21	0.53
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	8	0.5	0.21	0.64
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	8	0.5	0.21	0.64
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	8	0.46	0.18	0.5
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	8	0.46	0.18	0.5
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	8	0.46	0.18	0.5
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	8	0.44	0.22	0.45
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	8	0.41	0.33	0.31
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	8	0.4	0.03	0.41
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	8	0.4	0.03	0.41
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	8	0.4	0.03	0.41
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	8	0.4	0.03	0.41
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	8	0.4	0.03	0.41
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	8	0.4	0.03	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	8	0.4	0.03	0.41
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	8	0.4	0.03	0.41
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	8	0.4	0.03	0.41
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	8	0.39	0.11	0.41
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	8	0.38	0.19	0.33
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	8	0.38	0.06	0.41
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	8	0.26	0.08	0.28
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	8	0.26	0.08	0.28
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	8	0.26	0.08	0.28
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	8	0.23	0.06	0.26
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	8	0.22	0.05	0.24
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	8	0.21	0.1	0.2
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	8	0.14	0.04	0.12
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	8	0.14	0.04	0.12
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	8	0.14	0.04	0.12
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	8	0.14	0.04	0.12
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	8	0.14	0.04	0.12
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	8	0.14	0.04	0.12
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	8	0.12	0.01	0.12
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	8	0.12	0.01	0.12
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	8	0.12	0.01	0.12
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG11	7	1.41	0.19	1.44
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG12	7	1.41	0.19	1.44
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG13	7	1.41	0.19	1.44
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG11	7	1.41	0.19	1.44
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG12	7	1.41	0.19	1.44
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG13	7	1.41	0.19	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG11	7	1.41	0.19	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG12	7	1.41	0.19	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG13	7	1.41	0.19	1.44
(1,371)	1:110:A:VAL:HG11	1:112:A:CYS:HB3	7	0.98	0.5	1.08
(1,371)	1:110:A:VAL:HG12	1:112:A:CYS:HB3	7	0.98	0.5	1.08
(1,371)	1:110:A:VAL:HG13	1:112:A:CYS:HB3	7	0.98	0.5	1.08
(1,1847)	1:145:A:PRO:HD2	1:147:A:GLU:HG3	7	0.84	0.37	1.01
(1,327)	1:106:A:PRO:HB3	1:110:A:VAL:HB	7	0.59	0.2	0.56
(1,1544)	1:86:A:SER:HB2	1:87:A:MET:HA	7	0.54	0.26	0.71
(1,555)	1:32:A:GLY:HA3	1:33:A:ARG:HG2	7	0.53	0.18	0.55
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG11	7	0.49	0.2	0.61
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG12	7	0.49	0.2	0.61
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG13	7	0.49	0.2	0.61
(1,650)	1:53:A:LEU:HD21	1:63:A:VAL:HB	7	0.49	0.28	0.38
(1,650)	1:53:A:LEU:HD22	1:63:A:VAL:HB	7	0.49	0.28	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,650)	1:53:A:LEU:HD23	1:63:A:VAL:HB	7	0.49	0.28	0.38
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD11	7	0.45	0.02	0.46
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD12	7	0.45	0.02	0.46
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD13	7	0.45	0.02	0.46
(1,2449)	1:142:A:ARG:H	1:142:A:ARG:HD2	7	0.38	0.24	0.29
(1,1748)	1:39:A:SER:HB3	1:59:A:LYS:HA	7	0.37	0.2	0.28
(1,382)	1:26:A:GLY:HA3	1:73:A:GLN:HG2	7	0.36	0.23	0.41
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD1	7	0.34	0.06	0.37
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD2	7	0.34	0.06	0.37
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD1	7	0.34	0.06	0.37
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD2	7	0.34	0.06	0.37
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD1	7	0.34	0.06	0.37
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD2	7	0.34	0.06	0.37
(1,234)	1:15:A:PRO:HG3	1:143:A:TYR:HB2	7	0.34	0.17	0.28
(1,2346)	1:89:A:GLN:HB2	1:90:A:ARG:H	7	0.28	0.1	0.25
(1,1387)	1:76:A:ARG:HA	1:76:A:ARG:HD2	7	0.27	0.03	0.26
(1,116)	1:33:A:ARG:HB3	1:98:A:LEU:HB3	7	0.24	0.06	0.24
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG21	7	0.23	0.12	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG22	7	0.23	0.12	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG23	7	0.23	0.12	0.22
(1,1573)	1:96:A:GLN:HB3	1:109:A:SER:HA	7	0.2	0.05	0.2
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG21	7	0.13	0.02	0.13
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG22	7	0.13	0.02	0.13
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG23	7	0.13	0.02	0.13
(1,819)	1:93:A:LEU:HG	1:114:A:VAL:HB	7	0.11	0.01	0.11
(1,986)	1:10:A:LEU:HD21	1:17:A:HIS:HD2	6	1.82	0.77	2.13
(1,986)	1:10:A:LEU:HD22	1:17:A:HIS:HD2	6	1.82	0.77	2.13
(1,986)	1:10:A:LEU:HD23	1:17:A:HIS:HD2	6	1.82	0.77	2.13
(1,178)	1:8:A:GLY:HA2	1:133:A:TYR:HB2	6	1.52	0.29	1.67
(1,301)	1:135:A:SER:HB2	1:136:A:GLU:HG3	6	1.42	0.35	1.54
(1,623)	1:54:A:LEU:HD11	1:125:A:LEU:HG	6	1.19	0.85	0.93
(1,623)	1:54:A:LEU:HD12	1:125:A:LEU:HG	6	1.19	0.85	0.93
(1,623)	1:54:A:LEU:HD13	1:125:A:LEU:HG	6	1.19	0.85	0.93
(1,636)	1:146:A:ARG:HG3	1:149:A:ARG:HA	6	0.97	0.55	1.22
(1,640)	1:42:A:LEU:HD21	1:53:A:LEU:HG	6	0.9	0.1	0.92
(1,640)	1:42:A:LEU:HD22	1:53:A:LEU:HG	6	0.9	0.1	0.92
(1,640)	1:42:A:LEU:HD23	1:53:A:LEU:HG	6	0.9	0.1	0.92
(1,87)	1:146:A:ARG:HA	1:149:A:ARG:HD2	6	0.86	0.56	0.64
(1,969)	1:54:A:LEU:HD21	1:120:A:TYR:H	6	0.82	0.25	0.86
(1,969)	1:54:A:LEU:HD22	1:120:A:TYR:H	6	0.82	0.25	0.86
(1,969)	1:54:A:LEU:HD23	1:120:A:TYR:H	6	0.82	0.25	0.86
(1,1767)	1:54:A:LEU:HD21	1:120:A:TYR:HA	6	0.81	0.38	0.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1767)	1:54:A:LEU:HD22	1:120:A:TYR:HA	6	0.81	0.38	0.81
(1,1767)	1:54:A:LEU:HD23	1:120:A:TYR:HA	6	0.81	0.38	0.81
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD21	6	0.63	0.38	0.73
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD22	6	0.63	0.38	0.73
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD23	6	0.63	0.38	0.73
(1,1128)	1:97:A:VAL:HG21	1:110:A:VAL:HB	6	0.61	0.27	0.62
(1,1128)	1:97:A:VAL:HG22	1:110:A:VAL:HB	6	0.61	0.27	0.62
(1,1128)	1:97:A:VAL:HG23	1:110:A:VAL:HB	6	0.61	0.27	0.62
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD1	6	0.6	0.23	0.7
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD2	6	0.6	0.23	0.7
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD1	6	0.6	0.23	0.7
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD2	6	0.6	0.23	0.7
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD1	6	0.6	0.23	0.7
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD2	6	0.6	0.23	0.7
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD11	6	0.6	0.35	0.62
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD12	6	0.6	0.35	0.62
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD13	6	0.6	0.35	0.62
(1,2572)	1:147:A:GLU:HG3	1:148:A:ASN:H	6	0.56	0.26	0.55
(1,955)	1:97:A:VAL:HG11	1:100:A:TRP:HZ3	6	0.52	0.2	0.6
(1,955)	1:97:A:VAL:HG12	1:100:A:TRP:HZ3	6	0.52	0.2	0.6
(1,955)	1:97:A:VAL:HG13	1:100:A:TRP:HZ3	6	0.52	0.2	0.6
(1,187)	1:22:A:ASP:HB2	1:24:A:SER:HB2	6	0.52	0.25	0.57
(1,1564)	1:79:A:ASP:HA	1:82:A:GLU:HG3	6	0.42	0.18	0.4
(1,624)	1:146:A:ARG:HG3	1:147:A:GLU:H	6	0.42	0.15	0.52
(1,723)	1:42:A:LEU:HD11	1:130:A:HIS:H	6	0.41	0.23	0.36
(1,723)	1:42:A:LEU:HD12	1:130:A:HIS:H	6	0.41	0.23	0.36
(1,723)	1:42:A:LEU:HD13	1:130:A:HIS:H	6	0.41	0.23	0.36
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD1	6	0.4	0.2	0.42
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD2	6	0.4	0.2	0.42
(1,608)	1:79:A:ASP:HA	1:84:A:CYS:HB2	6	0.37	0.1	0.36
(1,2448)	1:140:A:GLY:HA3	1:142:A:ARG:H	6	0.36	0.16	0.36
(1,1354)	1:6:A:VAL:HG11	1:11:A:LYS:HA	6	0.35	0.07	0.36
(1,1354)	1:6:A:VAL:HG12	1:11:A:LYS:HA	6	0.35	0.07	0.36
(1,1354)	1:6:A:VAL:HG13	1:11:A:LYS:HA	6	0.35	0.07	0.36
(1,2049)	1:42:A:LEU:HD11	1:130:A:HIS:HD2	6	0.35	0.12	0.36
(1,2049)	1:42:A:LEU:HD12	1:130:A:HIS:HD2	6	0.35	0.12	0.36
(1,2049)	1:42:A:LEU:HD13	1:130:A:HIS:HD2	6	0.35	0.12	0.36
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD1	6	0.35	0.19	0.36
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD2	6	0.35	0.19	0.36
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD1	6	0.35	0.19	0.36
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD2	6	0.35	0.19	0.36
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD1	6	0.35	0.19	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD2	6	0.35	0.19	0.36
(1,303)	1:29:A:ALA:HB1	1:69:A:GLU:HG3	6	0.32	0.28	0.22
(1,303)	1:29:A:ALA:HB2	1:69:A:GLU:HG3	6	0.32	0.28	0.22
(1,303)	1:29:A:ALA:HB3	1:69:A:GLU:HG3	6	0.32	0.28	0.22
(1,2490)	1:39:A:SER:HB3	1:59:A:LYS:H	6	0.29	0.07	0.31
(1,729)	1:42:A:LEU:HD11	1:133:A:TYR:HA	6	0.29	0.17	0.24
(1,729)	1:42:A:LEU:HD12	1:133:A:TYR:HA	6	0.29	0.17	0.24
(1,729)	1:42:A:LEU:HD13	1:133:A:TYR:HA	6	0.29	0.17	0.24
(1,591)	1:14:A:GLN:HA	1:15:A:PRO:HG2	6	0.22	0.09	0.2
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB3	6	0.2	0.06	0.22
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB3	6	0.2	0.06	0.22
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB3	6	0.2	0.06	0.22
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB2	6	0.2	0.06	0.22
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB2	6	0.2	0.06	0.22
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB2	6	0.2	0.06	0.22
(1,29)	1:59:A:LYS:HB2	1:60:A:GLY:HA2	6	0.16	0.04	0.16
(1,29)	1:59:A:LYS:HB3	1:60:A:GLY:HA2	6	0.16	0.04	0.16
(1,2368)	1:22:A:ASP:HB2	1:23:A:HIS:H	6	0.16	0.03	0.15
(1,524)	1:96:A:GLN:HB3	1:96:A:GLN:HE22	6	0.15	0.05	0.13
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD1	6	0.11	0.0	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD2	6	0.11	0.0	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD1	6	0.11	0.0	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD2	6	0.11	0.0	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD1	6	0.11	0.0	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD2	6	0.11	0.0	0.11
(1,799)	1:10:A:LEU:HD21	1:19:A:VAL:HA	5	1.65	0.23	1.7
(1,799)	1:10:A:LEU:HD22	1:19:A:VAL:HA	5	1.65	0.23	1.7
(1,799)	1:10:A:LEU:HD23	1:19:A:VAL:HA	5	1.65	0.23	1.7
(1,2122)	1:31:A:ARG:HG2	1:100:A:TRP:HZ2	5	1.48	0.26	1.62
(1,200)	1:22:A:ASP:HB2	1:25:A:HIS:HD2	5	1.4	0.24	1.45
(1,980)	1:10:A:LEU:HD21	1:18:A:LYS:H	5	1.39	0.55	1.41
(1,980)	1:10:A:LEU:HD22	1:18:A:LYS:H	5	1.39	0.55	1.41
(1,980)	1:10:A:LEU:HD23	1:18:A:LYS:H	5	1.39	0.55	1.41
(1,439)	1:10:A:LEU:HD21	1:20:A:MET:HG3	5	1.38	0.64	1.56
(1,439)	1:10:A:LEU:HD22	1:20:A:MET:HG3	5	1.38	0.64	1.56
(1,439)	1:10:A:LEU:HD23	1:20:A:MET:HG3	5	1.38	0.64	1.56
(1,983)	1:10:A:LEU:HD21	1:19:A:VAL:H	5	1.33	0.32	1.33
(1,983)	1:10:A:LEU:HD22	1:19:A:VAL:H	5	1.33	0.32	1.33
(1,983)	1:10:A:LEU:HD23	1:19:A:VAL:H	5	1.33	0.32	1.33
(1,988)	1:10:A:LEU:HD21	1:20:A:MET:HA	5	1.3	0.19	1.22
(1,988)	1:10:A:LEU:HD22	1:20:A:MET:HA	5	1.3	0.19	1.22
(1,988)	1:10:A:LEU:HD23	1:20:A:MET:HA	5	1.3	0.19	1.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,356)	1:94:A:GLN:HA	1:111:A:GLN:HG2	5	1.28	0.29	1.3
(1,412)	1:83:A:ASP:HB3	1:87:A:MET:HB3	5	1.15	0.24	1.23
(1,989)	1:10:A:LEU:HD21	1:20:A:MET:HG2	5	1.11	0.24	1.15
(1,989)	1:10:A:LEU:HD22	1:20:A:MET:HG2	5	1.11	0.24	1.15
(1,989)	1:10:A:LEU:HD23	1:20:A:MET:HG2	5	1.11	0.24	1.15
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD21	5	1.08	0.32	1.18
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD22	5	1.08	0.32	1.18
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD23	5	1.08	0.32	1.18
(1,880)	1:27:A:LEU:HD21	1:71:A:ASP:HB2	5	1.04	0.51	1.35
(1,880)	1:27:A:LEU:HD22	1:71:A:ASP:HB2	5	1.04	0.51	1.35
(1,880)	1:27:A:LEU:HD23	1:71:A:ASP:HB2	5	1.04	0.51	1.35
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD21	5	1.01	0.21	1.08
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD22	5	1.01	0.21	1.08
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD23	5	1.01	0.21	1.08
(1,1231)	1:95:A:VAL:HG11	1:96:A:GLN:HB2	5	1.0	0.42	1.18
(1,1231)	1:95:A:VAL:HG12	1:96:A:GLN:HB2	5	1.0	0.42	1.18
(1,1231)	1:95:A:VAL:HG13	1:96:A:GLN:HB2	5	1.0	0.42	1.18
(1,582)	1:127:A:LEU:HD21	1:128:A:PRO:HG3	5	0.9	0.08	0.93
(1,582)	1:127:A:LEU:HD22	1:128:A:PRO:HG3	5	0.9	0.08	0.93
(1,582)	1:127:A:LEU:HD23	1:128:A:PRO:HG3	5	0.9	0.08	0.93
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD11	5	0.89	0.16	1.0
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD12	5	0.89	0.16	1.0
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD13	5	0.89	0.16	1.0
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB3	5	0.84	0.22	0.89
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB2	5	0.84	0.22	0.89
(1,2875)	1:86:A:SER:HB2	1:88:A:TYR:H	5	0.77	0.31	0.82
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG11	5	0.73	0.45	0.54
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG12	5	0.73	0.45	0.54
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG13	5	0.73	0.45	0.54
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD11	5	0.73	0.45	0.48
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD12	5	0.73	0.45	0.48
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD13	5	0.73	0.45	0.48
(1,1346)	1:30:A:PHE:HA	1:31:A:ARG:HB3	5	0.73	0.09	0.74
(1,2084)	1:3:A:HIS:HD2	1:31:A:ARG:HG2	5	0.67	0.31	0.58
(1,214)	1:83:A:ASP:HB3	1:87:A:MET:HB2	5	0.66	0.24	0.7
(1,2026)	1:31:A:ARG:HG2	1:100:A:TRP:HH2	5	0.65	0.32	0.71
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD21	5	0.54	0.11	0.58
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD22	5	0.54	0.11	0.58
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD23	5	0.54	0.11	0.58
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB2	5	0.51	0.3	0.57
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB3	5	0.51	0.3	0.57
(1,2401)	1:93:A:LEU:H	1:112:A:CYS:HB2	5	0.49	0.17	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,174)	1:42:A:LEU:HD11	1:133:A:TYR:HB3	5	0.47	0.19	0.56
(1,174)	1:42:A:LEU:HD12	1:133:A:TYR:HB3	5	0.47	0.19	0.56
(1,174)	1:42:A:LEU:HD13	1:133:A:TYR:HB3	5	0.47	0.19	0.56
(1,1545)	1:83:A:ASP:HB3	1:87:A:MET:HA	5	0.44	0.19	0.39
(1,210)	1:83:A:ASP:HB3	1:88:A:TYR:H	5	0.43	0.13	0.45
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD11	5	0.41	0.22	0.43
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD12	5	0.41	0.22	0.43
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD13	5	0.41	0.22	0.43
(1,293)	1:69:A:GLU:HG3	1:70:A:VAL:HA	5	0.41	0.14	0.43
(1,584)	1:127:A:LEU:HD21	1:128:A:PRO:HG2	5	0.39	0.14	0.42
(1,584)	1:127:A:LEU:HD22	1:128:A:PRO:HG2	5	0.39	0.14	0.42
(1,584)	1:127:A:LEU:HD23	1:128:A:PRO:HG2	5	0.39	0.14	0.42
(1,1348)	1:6:A:VAL:HG11	1:66:A:GLU:H	5	0.33	0.17	0.36
(1,1348)	1:6:A:VAL:HG12	1:66:A:GLU:H	5	0.33	0.17	0.36
(1,1348)	1:6:A:VAL:HG13	1:66:A:GLU:H	5	0.33	0.17	0.36
(1,1926)	1:40:A:PHE:HD1	1:41:A:PRO:HD3	5	0.32	0.1	0.35
(1,1926)	1:40:A:PHE:HD2	1:41:A:PRO:HD3	5	0.32	0.1	0.35
(1,2766)	1:22:A:ASP:HB2	1:24:A:SER:H	5	0.3	0.18	0.25
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG11	5	0.27	0.01	0.28
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG12	5	0.27	0.01	0.28
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG13	5	0.27	0.01	0.28
(1,46)	1:137:A:GLY:HA2	1:138:A:PRO:HG2	5	0.27	0.09	0.27
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG11	5	0.24	0.07	0.24
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG12	5	0.24	0.07	0.24
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG13	5	0.24	0.07	0.24
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG11	5	0.24	0.07	0.24
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG12	5	0.24	0.07	0.24
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG13	5	0.24	0.07	0.24
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG11	5	0.24	0.07	0.24
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG12	5	0.24	0.07	0.24
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG13	5	0.24	0.07	0.24
(1,374)	1:112:A:CYS:H	1:112:A:CYS:HB2	5	0.23	0.1	0.23
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD11	5	0.23	0.13	0.13
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD12	5	0.23	0.13	0.13
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD13	5	0.23	0.13	0.13
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD11	5	0.22	0.11	0.17
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD12	5	0.22	0.11	0.17
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD13	5	0.22	0.11	0.17
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD11	5	0.22	0.11	0.17
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD12	5	0.22	0.11	0.17
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD13	5	0.22	0.11	0.17
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD11	5	0.22	0.11	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD12	5	0.22	0.11	0.17
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD13	5	0.22	0.11	0.17
(1,1556)	1:40:A:PHE:HA	1:41:A:PRO:HG2	5	0.18	0.03	0.18
(1,1750)	1:59:A:LYS:HA	1:59:A:LYS:HG2	5	0.14	0.04	0.12
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD1	5	0.12	0.01	0.12
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD2	5	0.12	0.01	0.12
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD1	5	0.12	0.01	0.12
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD2	5	0.12	0.01	0.12
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD1	5	0.12	0.01	0.12
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD2	5	0.12	0.01	0.12
(1,2533)	1:12:A:ARG:H	1:12:A:ARG:HD2	5	0.11	0.0	0.11
(1,1180)	1:119:A:THR:HG21	1:120:A:TYR:HA	5	0.11	0.01	0.11
(1,1180)	1:119:A:THR:HG22	1:120:A:TYR:HA	5	0.11	0.01	0.11
(1,1180)	1:119:A:THR:HG23	1:120:A:TYR:HA	5	0.11	0.01	0.11
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG11	4	2.13	0.04	2.11
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG12	4	2.13	0.04	2.11
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG13	4	2.13	0.04	2.11
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG11	4	1.71	0.03	1.7
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG12	4	1.71	0.03	1.7
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG13	4	1.71	0.03	1.7
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG21	4	1.66	0.07	1.65
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG22	4	1.66	0.07	1.65
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG23	4	1.66	0.07	1.65
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG11	4	1.56	0.25	1.54
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG12	4	1.56	0.25	1.54
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG13	4	1.56	0.25	1.54
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG21	4	1.41	0.11	1.46
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG22	4	1.41	0.11	1.46
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG23	4	1.41	0.11	1.46
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG11	4	1.29	0.01	1.3
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG12	4	1.29	0.01	1.3
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG13	4	1.29	0.01	1.3
(1,2768)	1:35:A:CYS:HB2	1:64:A:THR:H	4	1.28	0.14	1.3
(1,1234)	1:95:A:VAL:HG21	1:112:A:CYS:H	4	1.28	0.11	1.24
(1,1234)	1:95:A:VAL:HG22	1:112:A:CYS:H	4	1.28	0.11	1.24
(1,1234)	1:95:A:VAL:HG23	1:112:A:CYS:H	4	1.28	0.11	1.24
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG11	4	1.23	0.15	1.18
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG12	4	1.23	0.15	1.18
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG13	4	1.23	0.15	1.18
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG11	4	1.18	0.08	1.19
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG12	4	1.18	0.08	1.19
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG13	4	1.18	0.08	1.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG11	4	1.15	0.1	1.17
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG12	4	1.15	0.1	1.17
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG13	4	1.15	0.1	1.17
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG21	4	1.03	0.24	0.94
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG22	4	1.03	0.24	0.94
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG23	4	1.03	0.24	0.94
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD11	4	0.98	0.19	0.96
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD12	4	0.98	0.19	0.96
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD13	4	0.98	0.19	0.96
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD11	4	0.98	0.19	0.96
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD12	4	0.98	0.19	0.96
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD13	4	0.98	0.19	0.96
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD11	4	0.96	0.36	1.0
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD12	4	0.96	0.36	1.0
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD13	4	0.96	0.36	1.0
(1,560)	1:59:A:LYS:H	1:59:A:LYS:HD3	4	0.96	0.02	0.96
(1,271)	1:38:A:GLU:HG2	1:58:A:GLY:H	4	0.9	0.21	0.82
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG21	4	0.85	0.24	0.87
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG22	4	0.85	0.24	0.87
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG23	4	0.85	0.24	0.87
(1,1225)	1:95:A:VAL:HG11	1:96:A:GLN:H	4	0.82	0.0	0.82
(1,1225)	1:95:A:VAL:HG12	1:96:A:GLN:H	4	0.82	0.0	0.82
(1,1225)	1:95:A:VAL:HG13	1:96:A:GLN:H	4	0.82	0.0	0.82
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG21	4	0.81	0.08	0.84
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG22	4	0.81	0.08	0.84
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG23	4	0.81	0.08	0.84
(1,489)	1:35:A:CYS:HB2	1:64:A:THR:HA	4	0.75	0.1	0.76
(1,491)	1:35:A:CYS:HB2	1:64:A:THR:HB	4	0.72	0.2	0.7
(1,486)	1:35:A:CYS:HB2	1:36:A:THR:H	4	0.65	0.09	0.64
(1,488)	1:35:A:CYS:HB2	1:65:A:GLY:H	4	0.63	0.09	0.65
(1,539)	1:95:A:VAL:HG11	1:96:A:GLN:HB3	4	0.62	0.1	0.62
(1,539)	1:95:A:VAL:HG12	1:96:A:GLN:HB3	4	0.62	0.1	0.62
(1,539)	1:95:A:VAL:HG13	1:96:A:GLN:HB3	4	0.62	0.1	0.62
(1,143)	1:18:A:LYS:HB2	1:18:A:LYS:HE2	4	0.62	0.29	0.68
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG21	4	0.61	0.87	0.11
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG22	4	0.61	0.87	0.11
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG23	4	0.61	0.87	0.11
(1,272)	1:38:A:GLU:HG2	1:58:A:GLY:HA2	4	0.6	0.3	0.55
(1,86)	1:146:A:ARG:HE	1:149:A:ARG:HD2	4	0.59	0.45	0.48
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD21	4	0.58	0.24	0.68
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD22	4	0.58	0.24	0.68
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD23	4	0.58	0.24	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD11	4	0.57	0.02	0.57
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD12	4	0.57	0.02	0.57
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD13	4	0.57	0.02	0.57
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG21	4	0.55	0.05	0.57
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG22	4	0.55	0.05	0.57
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG23	4	0.55	0.05	0.57
(1,228)	1:83:A:ASP:HB2	1:86:A:SER:HB2	4	0.51	0.17	0.5
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG21	4	0.45	0.13	0.4
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG22	4	0.45	0.13	0.4
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG23	4	0.45	0.13	0.4
(1,406)	1:37:A:VAL:HG11	1:94:A:GLN:HG2	4	0.45	0.22	0.41
(1,406)	1:37:A:VAL:HG12	1:94:A:GLN:HG2	4	0.45	0.22	0.41
(1,406)	1:37:A:VAL:HG13	1:94:A:GLN:HG2	4	0.45	0.22	0.41
(1,406)	1:37:A:VAL:HG21	1:94:A:GLN:HG2	4	0.45	0.22	0.41
(1,406)	1:37:A:VAL:HG22	1:94:A:GLN:HG2	4	0.45	0.22	0.41
(1,406)	1:37:A:VAL:HG23	1:94:A:GLN:HG2	4	0.45	0.22	0.41
(1,1914)	1:5:A:PHE:HD1	1:112:A:CYS:HB2	4	0.44	0.11	0.4
(1,1914)	1:5:A:PHE:HD2	1:112:A:CYS:HB2	4	0.44	0.11	0.4
(1,2069)	1:120:A:TYR:HB3	1:124:A:TRP:HE3	4	0.42	0.15	0.4
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG21	4	0.4	0.32	0.25
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG22	4	0.4	0.32	0.25
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG23	4	0.4	0.32	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG21	4	0.4	0.32	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG22	4	0.4	0.32	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG23	4	0.4	0.32	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG21	4	0.4	0.32	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG22	4	0.4	0.32	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG23	4	0.4	0.32	0.25
(1,869)	1:95:A:VAL:HG11	1:97:A:VAL:HA	4	0.38	0.16	0.35
(1,869)	1:95:A:VAL:HG12	1:97:A:VAL:HA	4	0.38	0.16	0.35
(1,869)	1:95:A:VAL:HG13	1:97:A:VAL:HA	4	0.38	0.16	0.35
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB3	4	0.37	0.26	0.36
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB3	4	0.37	0.26	0.36
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB3	4	0.37	0.26	0.36
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB2	4	0.37	0.26	0.36
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB2	4	0.37	0.26	0.36
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB2	4	0.37	0.26	0.36
(1,2858)	1:10:A:LEU:HD21	1:20:A:MET:H	4	0.37	0.15	0.34
(1,2858)	1:10:A:LEU:HD22	1:20:A:MET:H	4	0.37	0.15	0.34
(1,2858)	1:10:A:LEU:HD23	1:20:A:MET:H	4	0.37	0.15	0.34
(1,1253)	1:44:A:ILE:HG13	1:51:A:PRO:HA	4	0.36	0.15	0.4
(1,2942)	1:10:A:LEU:HD21	1:16:A:ASN:H	4	0.36	0.25	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2942)	1:10:A:LEU:HD22	1:16:A:ASN:H	4	0.36	0.25	0.32
(1,2942)	1:10:A:LEU:HD23	1:16:A:ASN:H	4	0.36	0.25	0.32
(1,1228)	1:95:A:VAL:HG11	1:96:A:GLN:HA	4	0.35	0.13	0.32
(1,1228)	1:95:A:VAL:HG12	1:96:A:GLN:HA	4	0.35	0.13	0.32
(1,1228)	1:95:A:VAL:HG13	1:96:A:GLN:HA	4	0.35	0.13	0.32
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD2	4	0.33	0.05	0.34
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD2	4	0.33	0.05	0.34
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD2	4	0.33	0.05	0.34
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD3	4	0.33	0.05	0.34
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD3	4	0.33	0.05	0.34
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD3	4	0.33	0.05	0.34
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG21	4	0.32	0.12	0.32
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG22	4	0.32	0.12	0.32
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG23	4	0.32	0.12	0.32
(1,148)	1:18:A:LYS:HE2	1:19:A:VAL:H	4	0.31	0.1	0.36
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG21	4	0.31	0.04	0.3
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG22	4	0.31	0.04	0.3
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG23	4	0.31	0.04	0.3
(1,273)	1:38:A:GLU:HG2	1:57:A:PRO:HA	4	0.3	0.01	0.31
(1,780)	1:64:A:THR:H	1:132:A:SER:HB2	4	0.24	0.01	0.24
(1,570)	1:59:A:LYS:HD3	1:60:A:GLY:H	4	0.24	0.01	0.24
(1,1407)	1:49:A:ASN:HB3	1:143:A:TYR:HA	4	0.24	0.12	0.18
(1,706)	1:127:A:LEU:HD11	1:128:A:PRO:HD3	4	0.22	0.07	0.22
(1,706)	1:127:A:LEU:HD12	1:128:A:PRO:HD3	4	0.22	0.07	0.22
(1,706)	1:127:A:LEU:HD13	1:128:A:PRO:HD3	4	0.22	0.07	0.22
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD21	4	0.21	0.07	0.18
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD22	4	0.21	0.07	0.18
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD23	4	0.21	0.07	0.18
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG11	4	0.2	0.11	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG12	4	0.2	0.11	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG13	4	0.2	0.11	0.14
(1,400)	1:61:A:HIS:HB3	1:131:A:GLU:HB3	4	0.19	0.02	0.18
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG11	4	0.17	0.07	0.15
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG12	4	0.17	0.07	0.15
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG13	4	0.17	0.07	0.15
(1,15)	1:7:A:TYR:H	1:8:A:GLY:HA3	4	0.16	0.06	0.14
(1,88)	1:149:A:ARG:HB2	1:149:A:ARG:HD2	4	0.15	0.03	0.14
(1,88)	1:149:A:ARG:HB3	1:149:A:ARG:HD2	4	0.15	0.03	0.14
(1,1440)	1:12:A:ARG:HA	1:13:A:GLY:HA3	4	0.14	0.04	0.12
(1,2040)	1:120:A:TYR:HB2	1:124:A:TRP:HZ3	4	0.14	0.02	0.13
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG21	4	0.13	0.01	0.12
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG22	4	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG23	4	0.13	0.01	0.12
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG21	4	0.13	0.01	0.12
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG22	4	0.13	0.01	0.12
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG23	4	0.13	0.01	0.12
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG21	4	0.13	0.01	0.12
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG22	4	0.13	0.01	0.12
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG23	4	0.13	0.01	0.12
(1,1694)	1:67:A:ILE:HD11	1:95:A:VAL:HB	4	0.12	0.0	0.12
(1,1694)	1:67:A:ILE:HD12	1:95:A:VAL:HB	4	0.12	0.0	0.12
(1,1694)	1:67:A:ILE:HD13	1:95:A:VAL:HB	4	0.12	0.0	0.12
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD1	4	0.12	0.01	0.12
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD2	4	0.12	0.01	0.12
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD1	4	0.12	0.01	0.12
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD2	4	0.12	0.01	0.12
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD1	4	0.12	0.01	0.12
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD2	4	0.12	0.01	0.12
(1,2677)	1:95:A:VAL:HB	1:110:A:VAL:H	4	0.12	0.0	0.12
(1,639)	1:53:A:LEU:HG	1:54:A:LEU:H	4	0.12	0.0	0.12
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE1	4	0.11	0.01	0.11
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE2	4	0.11	0.01	0.11
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE1	4	0.11	0.01	0.11
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE2	4	0.11	0.01	0.11
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE1	4	0.11	0.01	0.11
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE2	4	0.11	0.01	0.11
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE1	4	0.11	0.01	0.11
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE2	4	0.11	0.01	0.11
(1,680)	1:54:A:LEU:H	1:54:A:LEU:HG	4	0.11	0.01	0.11
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD1	4	0.11	0.01	0.11
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD2	4	0.11	0.01	0.11
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD1	4	0.11	0.01	0.11
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD2	4	0.11	0.01	0.11
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD1	4	0.11	0.01	0.11
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD2	4	0.11	0.01	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB1	4	0.11	0.0	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB2	4	0.11	0.0	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB3	4	0.11	0.0	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB1	4	0.11	0.0	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB2	4	0.11	0.0	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB3	4	0.11	0.0	0.11
(1,212)	1:44:A:ILE:HG21	1:141:A:LEU:HB3	4	0.11	0.0	0.11
(1,212)	1:44:A:ILE:HG22	1:141:A:LEU:HB3	4	0.11	0.0	0.11
(1,212)	1:44:A:ILE:HG23	1:141:A:LEU:HB3	4	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG21	3	1.49	0.89	2.06
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG22	3	1.49	0.89	2.06
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG23	3	1.49	0.89	2.06
(1,687)	1:141:A:LEU:HD11	1:142:A:ARG:HA	3	0.99	0.69	1.1
(1,687)	1:141:A:LEU:HD12	1:142:A:ARG:HA	3	0.99	0.69	1.1
(1,687)	1:141:A:LEU:HD13	1:142:A:ARG:HA	3	0.99	0.69	1.1
(1,2521)	1:11:A:LYS:HG3	1:66:A:GLU:H	3	0.93	0.37	1.05
(1,987)	1:10:A:LEU:HD21	1:16:A:ASN:HA	3	0.89	0.39	1.1
(1,987)	1:10:A:LEU:HD22	1:16:A:ASN:HA	3	0.89	0.39	1.1
(1,987)	1:10:A:LEU:HD23	1:16:A:ASN:HA	3	0.89	0.39	1.1
(1,981)	1:10:A:LEU:HD21	1:17:A:HIS:H	3	0.88	0.41	1.05
(1,981)	1:10:A:LEU:HD22	1:17:A:HIS:H	3	0.88	0.41	1.05
(1,981)	1:10:A:LEU:HD23	1:17:A:HIS:H	3	0.88	0.41	1.05
(1,57)	1:102:A:GLY:HA2	1:103:A:ASP:HB2	3	0.87	0.1	0.92
(1,1739)	1:61:A:HIS:HA	1:62:A:CYS:HB2	3	0.81	0.04	0.79
(1,2292)	1:81:A:PHE:H	1:82:A:GLU:HB2	3	0.74	0.07	0.78
(1,2505)	1:61:A:HIS:H	1:129:A:TYR:HB2	3	0.72	0.18	0.69
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD21	3	0.71	0.3	0.73
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD22	3	0.71	0.3	0.73
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD23	3	0.71	0.3	0.73
(1,2928)	1:96:A:GLN:HE21	1:108:A:ASP:HB2	3	0.68	0.31	0.49
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG21	3	0.66	0.39	0.93
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG22	3	0.66	0.39	0.93
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG23	3	0.66	0.39	0.93
(1,101)	1:56:A:LEU:HB2	1:59:A:LYS:H	3	0.64	0.03	0.66
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD11	3	0.62	0.37	0.41
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD12	3	0.62	0.37	0.41
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD13	3	0.62	0.37	0.41
(1,978)	1:54:A:LEU:HD21	1:120:A:TYR:HB2	3	0.54	0.12	0.59
(1,978)	1:54:A:LEU:HD22	1:120:A:TYR:HB2	3	0.54	0.12	0.59
(1,978)	1:54:A:LEU:HD23	1:120:A:TYR:HB2	3	0.54	0.12	0.59
(1,984)	1:10:A:LEU:HD21	1:17:A:HIS:HA	3	0.5	0.22	0.57
(1,984)	1:10:A:LEU:HD22	1:17:A:HIS:HA	3	0.5	0.22	0.57
(1,984)	1:10:A:LEU:HD23	1:17:A:HIS:HA	3	0.5	0.22	0.57
(1,2535)	1:12:A:ARG:H	1:12:A:ARG:HG3	3	0.48	0.25	0.45
(1,201)	1:19:A:VAL:HA	1:22:A:ASP:HB2	3	0.45	0.31	0.33
(1,84)	1:142:A:ARG:HA	1:142:A:ARG:HD2	3	0.45	0.26	0.4
(1,1152)	1:97:A:VAL:HG21	1:106:A:PRO:HG2	3	0.43	0.26	0.26
(1,1152)	1:97:A:VAL:HG22	1:106:A:PRO:HG2	3	0.43	0.26	0.26
(1,1152)	1:97:A:VAL:HG23	1:106:A:PRO:HG2	3	0.43	0.26	0.26
(1,94)	1:33:A:ARG:H	1:33:A:ARG:HD2	3	0.4	0.2	0.37
(1,1836)	1:41:A:PRO:HD2	1:59:A:LYS:H	3	0.39	0.2	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD21	3	0.38	0.09	0.36
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD22	3	0.38	0.09	0.36
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD23	3	0.38	0.09	0.36
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD21	3	0.38	0.09	0.36
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD22	3	0.38	0.09	0.36
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD23	3	0.38	0.09	0.36
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD21	3	0.38	0.09	0.36
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD22	3	0.38	0.09	0.36
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD23	3	0.38	0.09	0.36
(1,2459)	1:62:A:CYS:H	1:62:A:CYS:HB2	3	0.36	0.04	0.38
(1,300)	1:136:A:GLU:H	1:136:A:GLU:HG3	3	0.36	0.03	0.37
(1,317)	1:33:A:ARG:H	1:99:A:GLU:HG2	3	0.33	0.07	0.34
(1,1675)	1:82:A:GLU:HA	1:83:A:ASP:HB3	3	0.32	0.11	0.34
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD11	3	0.31	0.15	0.39
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD12	3	0.31	0.15	0.39
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD13	3	0.31	0.15	0.39
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD21	3	0.31	0.1	0.27
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD22	3	0.31	0.1	0.27
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD23	3	0.31	0.1	0.27
(1,894)	1:135:A:SER:HB3	1:136:A:GLU:HG3	3	0.3	0.05	0.28
(1,305)	1:30:A:PHE:HE1	1:101:A:GLU:HG3	3	0.28	0.07	0.24
(1,305)	1:30:A:PHE:HE2	1:101:A:GLU:HG3	3	0.28	0.07	0.24
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE1	3	0.27	0.08	0.28
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE2	3	0.27	0.08	0.28
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE3	3	0.27	0.08	0.28
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG21	3	0.27	0.12	0.31
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG22	3	0.27	0.12	0.31
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG23	3	0.27	0.12	0.31
(1,10)	1:8:A:GLY:HA3	1:133:A:TYR:HB2	3	0.25	0.04	0.24
(1,2154)	1:46:A:GLY:HA2	1:52:A:TRP:HE1	3	0.25	0.02	0.26
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD11	3	0.24	0.08	0.22
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD12	3	0.24	0.08	0.22
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD13	3	0.24	0.08	0.22
(1,532)	1:18:A:LYS:HD2	1:19:A:VAL:H	3	0.24	0.12	0.22
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD21	3	0.24	0.1	0.19
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD22	3	0.24	0.1	0.19
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD23	3	0.24	0.1	0.19
(1,923)	1:36:A:THR:HG21	1:40:A:PHE:HB3	3	0.24	0.11	0.16
(1,923)	1:36:A:THR:HG22	1:40:A:PHE:HB3	3	0.24	0.11	0.16
(1,923)	1:36:A:THR:HG23	1:40:A:PHE:HB3	3	0.24	0.11	0.16
(1,822)	1:56:A:LEU:HD11	1:59:A:LYS:HG3	3	0.23	0.06	0.22
(1,822)	1:56:A:LEU:HD12	1:59:A:LYS:HG3	3	0.23	0.06	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,822)	1:56:A:LEU:HD13	1:59:A:LYS:HG3	3	0.23	0.06	0.22
(1,372)	1:112:A:CYS:HB3	1:113:A:PHE:H	3	0.23	0.07	0.22
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG11	3	0.21	0.02	0.21
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG12	3	0.21	0.02	0.21
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG13	3	0.21	0.02	0.21
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG11	3	0.21	0.02	0.21
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG12	3	0.21	0.02	0.21
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG13	3	0.21	0.02	0.21
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG11	3	0.21	0.02	0.21
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG12	3	0.21	0.02	0.21
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG13	3	0.21	0.02	0.21
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD21	3	0.2	0.07	0.2
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD22	3	0.2	0.07	0.2
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD23	3	0.2	0.07	0.2
(1,1227)	1:95:A:VAL:HG11	1:97:A:VAL:H	3	0.19	0.05	0.19
(1,1227)	1:95:A:VAL:HG12	1:97:A:VAL:H	3	0.19	0.05	0.19
(1,1227)	1:95:A:VAL:HG13	1:97:A:VAL:H	3	0.19	0.05	0.19
(1,2422)	1:85:A:PRO:HG3	1:86:A:SER:H	3	0.18	0.02	0.17
(1,262)	1:88:A:TYR:HB3	1:115:A:TYR:HB2	3	0.17	0.03	0.18
(1,666)	1:62:A:CYS:HB3	1:63:A:VAL:HA	3	0.17	0.01	0.17
(1,2934)	1:14:A:GLN:HA	1:16:A:ASN:HD21	3	0.17	0.02	0.17
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD21	3	0.15	0.02	0.14
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD22	3	0.15	0.02	0.14
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD23	3	0.15	0.02	0.14
(1,762)	1:53:A:LEU:HD11	1:55:A:TYR:HA	3	0.11	0.01	0.11
(1,762)	1:53:A:LEU:HD12	1:55:A:TYR:HA	3	0.11	0.01	0.11
(1,762)	1:53:A:LEU:HD13	1:55:A:TYR:HA	3	0.11	0.01	0.11
(1,1259)	1:9:A:THR:HG21	1:143:A:TYR:HD1	3	0.11	0.0	0.11
(1,1259)	1:9:A:THR:HG21	1:143:A:TYR:HD2	3	0.11	0.0	0.11
(1,1259)	1:9:A:THR:HG22	1:143:A:TYR:HD1	3	0.11	0.0	0.11
(1,1259)	1:9:A:THR:HG22	1:143:A:TYR:HD2	3	0.11	0.0	0.11
(1,1259)	1:9:A:THR:HG23	1:143:A:TYR:HD1	3	0.11	0.0	0.11
(1,1259)	1:9:A:THR:HG23	1:143:A:TYR:HD2	3	0.11	0.0	0.11
(1,1920)	1:28:A:ALA:HB1	1:68:A:TYR:HD1	3	0.11	0.0	0.11
(1,1920)	1:28:A:ALA:HB1	1:68:A:TYR:HD2	3	0.11	0.0	0.11
(1,1920)	1:28:A:ALA:HB2	1:68:A:TYR:HD1	3	0.11	0.0	0.11
(1,1920)	1:28:A:ALA:HB2	1:68:A:TYR:HD2	3	0.11	0.0	0.11
(1,1920)	1:28:A:ALA:HB3	1:68:A:TYR:HD1	3	0.11	0.0	0.11
(1,1920)	1:28:A:ALA:HB3	1:68:A:TYR:HD2	3	0.11	0.0	0.11
(1,937)	1:37:A:VAL:HG11	1:94:A:GLN:HE22	3	0.11	0.0	0.11
(1,937)	1:37:A:VAL:HG12	1:94:A:GLN:HE22	3	0.11	0.0	0.11
(1,937)	1:37:A:VAL:HG13	1:94:A:GLN:HE22	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,937)	1:37:A:VAL:HG21	1:94:A:GLN:HE22	3	0.11	0.0	0.11
(1,937)	1:37:A:VAL:HG22	1:94:A:GLN:HE22	3	0.11	0.0	0.11
(1,937)	1:37:A:VAL:HG23	1:94:A:GLN:HE22	3	0.11	0.0	0.11
(1,1384)	1:6:A:VAL:HA	1:68:A:TYR:HD1	3	0.1	0.0	0.1
(1,1384)	1:6:A:VAL:HA	1:68:A:TYR:HD2	3	0.1	0.0	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD21	3	0.1	0.0	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD22	3	0.1	0.0	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD23	3	0.1	0.0	0.1
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG21	2	2.41	0.03	2.41
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG22	2	2.41	0.03	2.41
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG23	2	2.41	0.03	2.41
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG21	2	2.41	0.03	2.41
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG22	2	2.41	0.03	2.41
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG23	2	2.41	0.03	2.41
(1,249)	1:11:A:LYS:HG3	1:66:A:GLU:HB2	2	2.4	0.31	2.4
(1,1061)	1:63:A:VAL:HG11	1:132:A:SER:HA	2	1.68	0.0	1.68
(1,1061)	1:63:A:VAL:HG12	1:132:A:SER:HA	2	1.68	0.0	1.68
(1,1061)	1:63:A:VAL:HG13	1:132:A:SER:HA	2	1.68	0.0	1.68
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG21	2	1.59	0.05	1.59
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG22	2	1.59	0.05	1.59
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG23	2	1.59	0.05	1.59
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG21	2	1.44	0.15	1.44
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG22	2	1.44	0.15	1.44
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG23	2	1.44	0.15	1.44
(1,492)	1:35:A:CYS:HB2	1:62:A:CYS:HB3	2	1.4	0.34	1.4
(1,2436)	1:63:A:VAL:HG11	1:133:A:TYR:H	2	1.34	0.08	1.34
(1,2436)	1:63:A:VAL:HG12	1:133:A:TYR:H	2	1.34	0.08	1.34
(1,2436)	1:63:A:VAL:HG13	1:133:A:TYR:H	2	1.34	0.08	1.34
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG21	2	1.28	0.05	1.28
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG22	2	1.28	0.05	1.28
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG23	2	1.28	0.05	1.28
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG21	2	1.28	0.05	1.28
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG22	2	1.28	0.05	1.28
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG23	2	1.28	0.05	1.28
(1,1364)	1:73:A:GLN:HA	1:76:A:ARG:HD2	2	1.19	0.01	1.19
(1,426)	1:33:A:ARG:HD2	1:99:A:GLU:HB2	2	1.17	0.38	1.17
(1,45)	1:137:A:GLY:HA2	1:139:A:HIS:HD2	2	1.12	0.2	1.12
(1,2663)	1:6:A:VAL:H	1:66:A:GLU:HB2	2	1.0	0.02	1.0
(1,1846)	1:144:A:ASN:HA	1:147:A:GLU:HG3	2	0.99	0.8	0.99
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG21	2	0.98	0.01	0.98
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG22	2	0.98	0.01	0.98
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG23	2	0.98	0.01	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,147)	1:16:A:ASN:HA	1:18:A:LYS:HE2	2	0.97	0.16	0.97
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD21	2	0.94	0.02	0.94
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD22	2	0.94	0.02	0.94
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD23	2	0.94	0.02	0.94
(1,129)	1:56:A:LEU:HD21	1:59:A:LYS:HE2	2	0.89	0.48	0.89
(1,129)	1:56:A:LEU:HD22	1:59:A:LYS:HE2	2	0.89	0.48	0.89
(1,129)	1:56:A:LEU:HD23	1:59:A:LYS:HE2	2	0.89	0.48	0.89
(1,2967)	1:103:A:ASP:HB3	1:104:A:GLY:H	2	0.88	0.12	0.88
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG21	2	0.86	0.06	0.86
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG22	2	0.86	0.06	0.86
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG23	2	0.86	0.06	0.86
(1,1072)	1:6:A:VAL:HG21	1:11:A:LYS:HB2	2	0.84	0.02	0.84
(1,1072)	1:6:A:VAL:HG22	1:11:A:LYS:HB2	2	0.84	0.02	0.84
(1,1072)	1:6:A:VAL:HG23	1:11:A:LYS:HB2	2	0.84	0.02	0.84
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG21	2	0.8	0.12	0.8
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG22	2	0.8	0.12	0.8
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG23	2	0.8	0.12	0.8
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD11	2	0.78	0.52	0.78
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD12	2	0.78	0.52	0.78
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD13	2	0.78	0.52	0.78
(1,833)	1:9:A:THR:HA	1:14:A:GLN:HB3	2	0.78	0.01	0.78
(1,1054)	1:63:A:VAL:HG11	1:64:A:THR:H	2	0.74	0.05	0.74
(1,1054)	1:63:A:VAL:HG12	1:64:A:THR:H	2	0.74	0.05	0.74
(1,1054)	1:63:A:VAL:HG13	1:64:A:THR:H	2	0.74	0.05	0.74
(1,405)	1:94:A:GLN:HG2	1:109:A:SER:HB2	2	0.69	0.13	0.69
(1,405)	1:94:A:GLN:HG2	1:109:A:SER:HB3	2	0.69	0.13	0.69
(1,2092)	1:66:A:GLU:HB2	1:68:A:TYR:HE1	2	0.67	0.09	0.67
(1,2092)	1:66:A:GLU:HB2	1:68:A:TYR:HE2	2	0.67	0.09	0.67
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG21	2	0.62	0.06	0.62
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG22	2	0.62	0.06	0.62
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG23	2	0.62	0.06	0.62
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG21	2	0.6	0.07	0.6
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG22	2	0.6	0.07	0.6
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG23	2	0.6	0.07	0.6
(1,1549)	1:149:A:ARG:HA	1:149:A:ARG:HD2	2	0.6	0.1	0.6
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG21	2	0.58	0.0	0.58
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG22	2	0.58	0.0	0.58
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG23	2	0.58	0.0	0.58
(1,592)	1:15:A:PRO:HG3	1:16:A:ASN:HD21	2	0.57	0.18	0.57
(1,1131)	1:114:A:VAL:HG21	1:115:A:TYR:H	2	0.56	0.01	0.56
(1,1131)	1:114:A:VAL:HG22	1:115:A:TYR:H	2	0.56	0.01	0.56
(1,1131)	1:114:A:VAL:HG23	1:115:A:TYR:H	2	0.56	0.01	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,664)	1:36:A:THR:H	1:62:A:CYS:HB3	2	0.56	0.01	0.56
(1,343)	1:42:A:LEU:HD11	1:63:A:VAL:HB	2	0.55	0.1	0.55
(1,343)	1:42:A:LEU:HD12	1:63:A:VAL:HB	2	0.55	0.1	0.55
(1,343)	1:42:A:LEU:HD13	1:63:A:VAL:HB	2	0.55	0.1	0.55
(1,2815)	1:11:A:LYS:H	1:11:A:LYS:HB2	2	0.53	0.02	0.53
(1,428)	1:33:A:ARG:HD2	1:99:A:GLU:HB3	2	0.52	0.12	0.52
(1,2094)	1:139:A:HIS:HB2	1:139:A:HIS:HD2	2	0.52	0.03	0.52
(1,150)	1:103:A:ASP:HB3	1:104:A:GLY:HA3	2	0.5	0.2	0.5
(1,12)	1:103:A:ASP:HB3	1:104:A:GLY:HA2	2	0.48	0.01	0.48
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG21	2	0.46	0.0	0.46
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG22	2	0.46	0.0	0.46
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG23	2	0.46	0.0	0.46
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD11	2	0.46	0.06	0.46
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD12	2	0.46	0.06	0.46
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD13	2	0.46	0.06	0.46
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD11	2	0.46	0.06	0.46
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD12	2	0.46	0.06	0.46
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD13	2	0.46	0.06	0.46
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD11	2	0.46	0.06	0.46
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD12	2	0.46	0.06	0.46
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD13	2	0.46	0.06	0.46
(1,946)	1:37:A:VAL:HG11	1:96:A:GLN:HB3	2	0.45	0.15	0.45
(1,946)	1:37:A:VAL:HG12	1:96:A:GLN:HB3	2	0.45	0.15	0.45
(1,946)	1:37:A:VAL:HG13	1:96:A:GLN:HB3	2	0.45	0.15	0.45
(1,946)	1:37:A:VAL:HG21	1:96:A:GLN:HB3	2	0.45	0.15	0.45
(1,946)	1:37:A:VAL:HG22	1:96:A:GLN:HB3	2	0.45	0.15	0.45
(1,946)	1:37:A:VAL:HG23	1:96:A:GLN:HB3	2	0.45	0.15	0.45
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG21	2	0.44	0.14	0.44
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG22	2	0.44	0.14	0.44
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG23	2	0.44	0.14	0.44
(1,336)	1:85:A:PRO:HB3	1:89:A:GLN:HG2	2	0.43	0.04	0.43
(1,310)	1:32:A:GLY:HA2	1:101:A:GLU:HG3	2	0.42	0.22	0.42
(1,2885)	1:49:A:ASN:HD22	1:141:A:LEU:HG	2	0.41	0.15	0.41
(1,630)	1:43:A:VAL:HA	1:44:A:ILE:HG12	2	0.4	0.14	0.4
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG21	2	0.4	0.02	0.4
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG22	2	0.4	0.02	0.4
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG23	2	0.4	0.02	0.4
(1,1976)	1:38:A:GLU:HB3	1:40:A:PHE:HE1	2	0.4	0.08	0.4
(1,1976)	1:38:A:GLU:HB3	1:40:A:PHE:HE2	2	0.4	0.08	0.4
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD11	2	0.39	0.04	0.39
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD12	2	0.39	0.04	0.39
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD13	2	0.39	0.04	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2271)	1:149:A:ARG:H	1:149:A:ARG:HD2	2	0.39	0.25	0.39
(1,619)	1:3:A:HIS:HA	1:4:A:ILE:HG13	2	0.38	0.04	0.38
(1,227)	1:48:A:HIS:HB3	1:144:A:ASN:HB3	2	0.38	0.14	0.38
(1,594)	1:76:A:ARG:HG3	1:77:A:PHE:H	2	0.37	0.01	0.37
(1,850)	1:75:A:LEU:HD21	1:90:A:ARG:HD3	2	0.36	0.1	0.36
(1,850)	1:75:A:LEU:HD22	1:90:A:ARG:HD3	2	0.36	0.1	0.36
(1,850)	1:75:A:LEU:HD23	1:90:A:ARG:HD3	2	0.36	0.1	0.36
(1,357)	1:111:A:GLN:HG2	1:112:A:CYS:H	2	0.36	0.03	0.36
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG21	2	0.36	0.16	0.36
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG22	2	0.36	0.16	0.36
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG23	2	0.36	0.16	0.36
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG21	2	0.36	0.16	0.36
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG22	2	0.36	0.16	0.36
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG23	2	0.36	0.16	0.36
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG21	2	0.36	0.16	0.36
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG22	2	0.36	0.16	0.36
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG23	2	0.36	0.16	0.36
(1,2791)	1:76:A:ARG:H	1:76:A:ARG:HG3	2	0.34	0.01	0.34
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG11	2	0.33	0.01	0.33
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG12	2	0.33	0.01	0.33
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG13	2	0.33	0.01	0.33
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG11	2	0.33	0.01	0.33
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG12	2	0.33	0.01	0.33
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG13	2	0.33	0.01	0.33
(1,2)	1:11:A:LYS:HG3	1:65:A:GLY:HA2	2	0.3	0.01	0.3
(1,204)	1:54:A:LEU:HD21	1:120:A:TYR:HB3	2	0.3	0.05	0.3
(1,204)	1:54:A:LEU:HD22	1:120:A:TYR:HB3	2	0.3	0.05	0.3
(1,204)	1:54:A:LEU:HD23	1:120:A:TYR:HB3	2	0.3	0.05	0.3
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG21	2	0.29	0.0	0.29
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG22	2	0.29	0.0	0.29
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG23	2	0.29	0.0	0.29
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD21	2	0.24	0.15	0.24
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD22	2	0.24	0.15	0.24
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD23	2	0.24	0.15	0.24
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD21	2	0.24	0.14	0.24
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD22	2	0.24	0.14	0.24
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD23	2	0.24	0.14	0.24
(1,179)	1:42:A:LEU:HD11	1:133:A:TYR:HB2	2	0.24	0.08	0.24
(1,179)	1:42:A:LEU:HD12	1:133:A:TYR:HB2	2	0.24	0.08	0.24
(1,179)	1:42:A:LEU:HD13	1:133:A:TYR:HB2	2	0.24	0.08	0.24
(1,2668)	1:103:A:ASP:H	1:103:A:ASP:HB2	2	0.24	0.05	0.24
(1,1632)	1:20:A:MET:HA	1:20:A:MET:HG3	2	0.23	0.03	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2434)	1:132:A:SER:HB3	1:133:A:TYR:H	2	0.22	0.08	0.22
(1,808)	1:75:A:LEU:HD11	1:76:A:ARG:H	2	0.2	0.04	0.2
(1,808)	1:75:A:LEU:HD12	1:76:A:ARG:H	2	0.2	0.04	0.2
(1,808)	1:75:A:LEU:HD13	1:76:A:ARG:H	2	0.2	0.04	0.2
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD11	2	0.19	0.03	0.19
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD12	2	0.19	0.03	0.19
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD13	2	0.19	0.03	0.19
(1,871)	1:27:A:LEU:HD21	1:29:A:ALA:H	2	0.19	0.0	0.19
(1,871)	1:27:A:LEU:HD22	1:29:A:ALA:H	2	0.19	0.0	0.19
(1,871)	1:27:A:LEU:HD23	1:29:A:ALA:H	2	0.19	0.0	0.19
(1,407)	1:96:A:GLN:HG3	1:98:A:LEU:H	2	0.18	0.08	0.18
(1,2905)	1:73:A:GLN:HE22	1:76:A:ARG:HB3	2	0.18	0.02	0.18
(1,625)	1:10:A:LEU:HG	1:16:A:ASN:HB2	2	0.18	0.03	0.18
(1,2990)	1:33:A:ARG:HB3	1:34:A:GLY:H	2	0.17	0.01	0.17
(1,2486)	1:67:A:ILE:H	1:67:A:ILE:HG12	2	0.16	0.05	0.16
(1,2145)	1:53:A:LEU:HD11	1:56:A:LEU:H	2	0.14	0.04	0.14
(1,2145)	1:53:A:LEU:HD12	1:56:A:LEU:H	2	0.14	0.04	0.14
(1,2145)	1:53:A:LEU:HD13	1:56:A:LEU:H	2	0.14	0.04	0.14
(1,924)	1:36:A:THR:HG21	1:63:A:VAL:HB	2	0.14	0.01	0.14
(1,924)	1:36:A:THR:HG22	1:63:A:VAL:HB	2	0.14	0.01	0.14
(1,924)	1:36:A:THR:HG23	1:63:A:VAL:HB	2	0.14	0.01	0.14
(1,889)	1:39:A:SER:H	1:39:A:SER:HB3	2	0.13	0.03	0.13
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG21	2	0.12	0.01	0.12
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG22	2	0.12	0.01	0.12
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG23	2	0.12	0.01	0.12
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG21	2	0.12	0.01	0.12
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG22	2	0.12	0.01	0.12
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG23	2	0.12	0.01	0.12
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG21	2	0.12	0.01	0.12
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG22	2	0.12	0.01	0.12
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG23	2	0.12	0.01	0.12
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG21	2	0.12	0.01	0.12
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG22	2	0.12	0.01	0.12
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG23	2	0.12	0.01	0.12
(1,2655)	1:80:A:ASP:H	1:80:A:ASP:HB2	2	0.12	0.01	0.12
(1,926)	1:36:A:THR:HG21	1:93:A:LEU:HG	2	0.12	0.0	0.12
(1,926)	1:36:A:THR:HG22	1:93:A:LEU:HG	2	0.12	0.0	0.12
(1,926)	1:36:A:THR:HG23	1:93:A:LEU:HG	2	0.12	0.0	0.12
(1,1377)	1:73:A:GLN:HA	1:76:A:ARG:HG3	2	0.12	0.0	0.12
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG21	2	0.11	0.01	0.11
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG22	2	0.11	0.01	0.11
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG23	2	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD21	2	0.11	0.01	0.11
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD22	2	0.11	0.01	0.11
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD23	2	0.11	0.01	0.11
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD21	2	0.11	0.01	0.11
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD22	2	0.11	0.01	0.11
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD23	2	0.11	0.01	0.11
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD21	2	0.11	0.01	0.11
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD22	2	0.11	0.01	0.11
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD23	2	0.11	0.01	0.11
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE1	2	0.11	0.01	0.11
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE2	2	0.11	0.01	0.11
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE3	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD21	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD22	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD23	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD21	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD22	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD23	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD21	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD22	2	0.11	0.01	0.11
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD23	2	0.11	0.01	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD11	2	0.11	0.0	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD12	2	0.11	0.0	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD13	2	0.11	0.0	0.11
(1,1707)	1:4:A:ILE:HD11	1:68:A:TYR:HD1	2	0.11	0.0	0.11
(1,1707)	1:4:A:ILE:HD11	1:68:A:TYR:HD2	2	0.11	0.0	0.11
(1,1707)	1:4:A:ILE:HD12	1:68:A:TYR:HD1	2	0.11	0.0	0.11
(1,1707)	1:4:A:ILE:HD12	1:68:A:TYR:HD2	2	0.11	0.0	0.11
(1,1707)	1:4:A:ILE:HD13	1:68:A:TYR:HD1	2	0.11	0.0	0.11
(1,1707)	1:4:A:ILE:HD13	1:68:A:TYR:HD2	2	0.11	0.0	0.11
(1,791)	1:93:A:LEU:HD11	1:94:A:GLN:H	2	0.11	0.0	0.11
(1,791)	1:93:A:LEU:HD12	1:94:A:GLN:H	2	0.11	0.0	0.11
(1,791)	1:93:A:LEU:HD13	1:94:A:GLN:H	2	0.11	0.0	0.11
(1,1936)	1:129:A:TYR:HD1	1:130:A:HIS:H	2	0.11	0.0	0.11
(1,1936)	1:129:A:TYR:HD2	1:130:A:HIS:H	2	0.11	0.0	0.11
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD11	2	0.1	0.0	0.1
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD12	2	0.1	0.0	0.1
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD13	2	0.1	0.0	0.1
(1,1015)	1:28:A:ALA:HB1	1:74:A:MET:HB2	2	0.1	0.0	0.1
(1,1015)	1:28:A:ALA:HB2	1:74:A:MET:HB2	2	0.1	0.0	0.1
(1,1015)	1:28:A:ALA:HB3	1:74:A:MET:HB2	2	0.1	0.0	0.1
(1,1269)	1:9:A:THR:HG21	1:16:A:ASN:H	2	0.1	0.0	0.1

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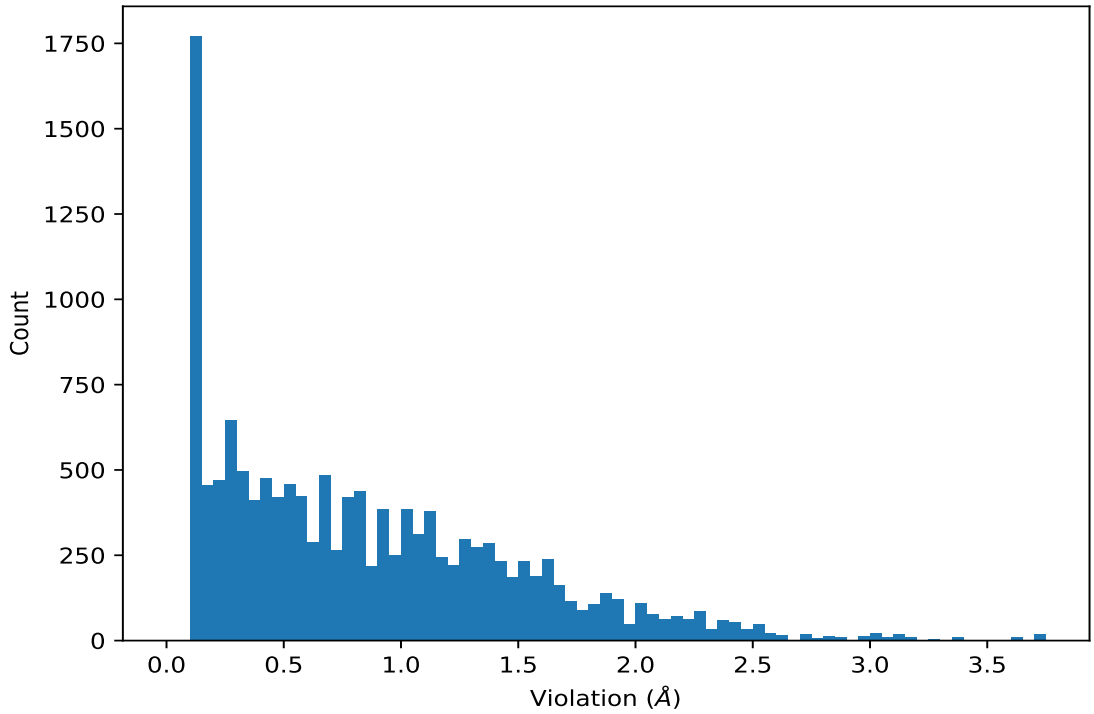
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1269)	1:9:A:THR:HG22	1:16:A:ASN:H	2	0.1	0.0	0.1
(1,1269)	1:9:A:THR:HG23	1:16:A:ASN:H	2	0.1	0.0	0.1
(1,1432)	1:18:A:LYS:HA	1:21:A:LEU:HG	2	0.1	0.0	0.1
(1,1485)	1:87:A:MET:HE1	1:88:A:TYR:HA	2	0.1	0.0	0.1
(1,1485)	1:87:A:MET:HE2	1:88:A:TYR:HA	2	0.1	0.0	0.1
(1,1485)	1:87:A:MET:HE3	1:88:A:TYR:HA	2	0.1	0.0	0.1
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG21	2	0.1	0.0	0.1
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG22	2	0.1	0.0	0.1
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG23	2	0.1	0.0	0.1

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	17	3.75
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	17	3.75
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	17	3.75
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	17	3.75
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	17	3.75
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	17	3.75
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	17	3.75
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	17	3.75
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	17	3.75
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	4	3.74
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	4	3.74
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	4	3.74
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	4	3.74
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	4	3.74
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	4	3.74
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	4	3.74
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	4	3.74
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	4	3.74
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	12	3.64
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	12	3.64
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	12	3.64
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	12	3.64
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	12	3.64
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	12	3.64
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	12	3.64
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	12	3.64
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	12	3.64
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	10	3.38
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	10	3.38
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	10	3.38
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	10	3.38
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	10	3.38
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	10	3.38
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	10	3.38
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	10	3.38
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	10	3.38
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	7	3.29
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	7	3.29
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	7	3.29
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	15	3.17
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	15	3.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	15	3.17
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	15	3.17
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	15	3.17
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	15	3.17
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	15	3.17
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	15	3.17
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	15	3.17
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	6	3.15
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	6	3.15
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	6	3.15
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	6	3.15
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	6	3.15
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	6	3.15
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	6	3.15
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	6	3.15
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	6	3.15
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	4	3.14
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	4	3.14
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	4	3.14
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	4	3.14
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	4	3.14
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	4	3.14
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	4	3.14
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	4	3.14
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	4	3.14
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	11	3.09
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	11	3.09
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	11	3.09
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	11	3.09
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	11	3.09
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	11	3.09
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	11	3.09
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	11	3.09
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	11	3.09
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	5	3.02
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	5	3.02
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	5	3.02
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	5	3.02
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	5	3.02
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	5	3.02
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	5	3.02
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	5	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	5	3.02
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	8	3.01
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	8	3.01
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	8	3.01
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	8	3.01
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	8	3.01
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	8	3.01
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	8	3.01
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	8	3.01
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	8	3.01
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	9	3.0
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	9	3.0
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	9	3.0
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	14	2.97
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	14	2.97
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	14	2.97
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	14	2.97
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	14	2.97
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	14	2.97
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	14	2.97
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	14	2.97
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	14	2.97
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	9	2.96
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	9	2.96
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	9	2.96
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	17	2.87
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	17	2.87
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	17	2.87
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	17	2.87
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	17	2.87
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	17	2.87
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	17	2.87
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	17	2.87
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	17	2.87
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	14	2.82
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	14	2.82
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	14	2.82
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	14	2.82
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	14	2.82
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	14	2.82
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	14	2.82
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	14	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	14	2.82
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	10	2.81
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	10	2.81
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	10	2.81
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	7	2.78
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	9	2.77
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	9	2.77
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	9	2.77
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	14	2.77
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	5	2.75
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	14	2.73
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	14	2.73
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	14	2.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	14	2.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	14	2.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	14	2.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	14	2.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	14	2.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	14	2.73
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	12	2.73
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	16	2.72
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	16	2.72
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	16	2.72
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	17	2.72
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	17	2.72
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	17	2.72
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	17	2.71
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	17	2.71
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	17	2.71
(1,249)	1:11:A:LYS:HG3	1:66:A:GLU:HB2	11	2.71
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	16	2.65
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	16	2.65
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	16	2.65
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	15	2.65
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	15	2.65
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	15	2.65
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	2	2.64
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	7	2.63
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	7	2.63
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	7	2.63
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	3	2.63
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	1	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	1	2.62
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	1	2.62
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	7	2.6
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	7	2.6
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	7	2.6
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	11	2.59
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	11	2.59
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	11	2.59
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	10	2.59
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	10	2.59
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	10	2.59
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	10	2.57
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	10	2.57
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	10	2.57
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	10	2.57
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	10	2.57
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	10	2.57
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	3	2.57
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	3	2.57
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	3	2.57
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	9	2.56
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	9	2.56
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	9	2.56
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	19	2.56
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	19	2.56
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	19	2.56
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	20	2.55
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	11	2.54
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	11	2.54
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	11	2.54
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	4	2.53
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	4	2.53
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	4	2.53
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	13	2.53
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	13	2.53
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	13	2.53
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	2	2.52
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	2	2.52
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	2	2.52
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	5	2.52
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	5	2.52
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	5	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	20	2.51
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	20	2.51
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	20	2.51
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	20	2.51
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	20	2.51
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	20	2.51
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	20	2.51
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	20	2.51
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	20	2.51
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	20	2.51
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	20	2.51
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	20	2.51
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	5	2.51
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	5	2.51
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	5	2.51
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	12	2.51
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	12	2.51
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	12	2.51
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	11	2.51
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	13	2.5
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	13	2.5
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	13	2.5
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	10	2.5
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	10	2.5
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	10	2.5
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	4	2.5
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	4	2.5
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	4	2.5
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	6	2.5
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	6	2.5
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	6	2.5
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	9	2.48
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	9	2.48
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	9	2.48
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	10	2.48
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	10	2.48
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	10	2.48
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	1	2.48
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	1	2.48
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	1	2.48
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	19	2.48
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	19	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	19	2.48
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	16	2.48
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	16	2.48
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	16	2.48
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	8	2.47
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	8	2.47
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	8	2.47
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	15	2.47
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	15	2.47
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	15	2.47
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	18	2.47
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	11	2.46
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	11	2.46
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	11	2.46
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	14	2.46
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	14	2.46
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	14	2.46
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	3	2.45
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	3	2.45
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	3	2.45
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	19	2.45
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	19	2.45
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	19	2.45
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	2	2.45
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG21	18	2.44
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG22	18	2.44
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG23	18	2.44
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG21	18	2.44
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG22	18	2.44
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG23	18	2.44
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	13	2.44
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	13	2.44
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	13	2.44
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	17	2.44
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	17	2.44
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	17	2.44
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	3	2.44
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	3	2.44
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	3	2.44
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	9	2.44
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	9	2.44
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	9	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	18	2.44
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	18	2.44
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	18	2.44
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	18	2.44
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	18	2.44
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	18	2.44
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	18	2.44
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	18	2.44
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	18	2.44
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	3	2.44
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	3	2.44
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	3	2.44
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	2	2.43
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	2	2.43
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	2	2.43
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	7	2.43
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	7	2.43
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	7	2.43
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	9	2.43
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	9	2.43
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	9	2.43
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	9	2.43
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	9	2.43
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	9	2.43
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	9	2.43
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	9	2.43
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	9	2.43
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	4	2.43
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	5	2.42
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	5	2.42
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	5	2.42
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	13	2.41
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	13	2.41
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	13	2.41
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	1	2.41
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	14	2.4
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	14	2.4
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	14	2.4
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	16	2.4
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	16	2.4
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	16	2.4
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	18	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	18	2.4
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	18	2.4
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	11	2.4
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	4	2.39
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	4	2.39
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	4	2.39
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	4	2.39
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	4	2.39
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	4	2.39
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG21	14	2.38
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG22	14	2.38
(1,1912)	1:5:A:PHE:HD1	1:114:A:VAL:HG23	14	2.38
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG21	14	2.38
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG22	14	2.38
(1,1912)	1:5:A:PHE:HD2	1:114:A:VAL:HG23	14	2.38
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	20	2.37
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	20	2.37
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	20	2.37
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	8	2.36
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	8	2.36
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	8	2.36
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	13	2.36
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	13	2.36
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	13	2.36
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	11	2.36
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	11	2.36
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	11	2.36
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	11	2.36
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	11	2.36
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	11	2.36
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	19	2.36
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	19	2.36
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	19	2.36
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	19	2.35
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	19	2.35
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	19	2.35
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	2	2.35
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	2	2.35
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	2	2.35
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	2	2.35
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	2	2.35
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	2	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	5	2.35
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	5	2.35
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	5	2.35
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	19	2.35
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	19	2.35
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	19	2.35
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	3	2.35
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	3	2.35
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	3	2.35
(1,702)	1:46:A:GLY:H	1:127:A:LEU:HD11	7	2.35
(1,702)	1:46:A:GLY:H	1:127:A:LEU:HD12	7	2.35
(1,702)	1:46:A:GLY:H	1:127:A:LEU:HD13	7	2.35
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	9	2.34
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	9	2.34
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	9	2.34
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	6	2.34
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	6	2.34
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	6	2.34
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	2	2.34
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	2	2.34
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	2	2.34
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	10	2.33
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	10	2.33
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	10	2.33
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	20	2.33
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	20	2.33
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	20	2.33
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	19	2.33
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	19	2.33
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	19	2.33
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	19	2.33
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	19	2.33
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	19	2.33
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	19	2.33
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	19	2.33
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	19	2.33
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	17	2.33
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	17	2.33
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	17	2.33
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	1	2.32
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	1	2.32
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	1	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	2	2.32
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	2	2.32
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	2	2.32
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	4	2.3
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	4	2.3
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	4	2.3
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	4	2.3
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	4	2.3
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	4	2.3
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	6	2.3
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	6	2.3
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	6	2.3
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	13	2.3
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	13	2.3
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	13	2.3
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	7	2.3
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	7	2.3
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	7	2.3
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	5	2.3
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	5	2.3
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	5	2.3
(1,623)	1:54:A:LEU:HD11	1:125:A:LEU:HG	5	2.3
(1,623)	1:54:A:LEU:HD12	1:125:A:LEU:HG	5	2.3
(1,623)	1:54:A:LEU:HD13	1:125:A:LEU:HG	5	2.3
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	15	2.29
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	15	2.29
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	15	2.29
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	15	2.29
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	15	2.29
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	15	2.29
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	2	2.29
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	2	2.29
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	2	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	6	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	6	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	6	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	11	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	11	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	11	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	17	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	17	2.29
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	17	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	15	2.29
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	15	2.29
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	15	2.29
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	11	2.28
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	11	2.28
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	11	2.28
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	14	2.28
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	14	2.28
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	14	2.28
(1,986)	1:10:A:LEU:HD21	1:17:A:HIS:HD2	19	2.28
(1,986)	1:10:A:LEU:HD22	1:17:A:HIS:HD2	19	2.28
(1,986)	1:10:A:LEU:HD23	1:17:A:HIS:HD2	19	2.28
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	18	2.28
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	18	2.28
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	18	2.28
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	16	2.28
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	16	2.28
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	16	2.28
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	10	2.27
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	10	2.27
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	10	2.27
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	17	2.27
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	17	2.27
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	17	2.27
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	16	2.26
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	16	2.26
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	16	2.26
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG21	2	2.26
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG22	2	2.26
(1,949)	1:106:A:PRO:HA	1:110:A:VAL:HG23	2	2.26
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	20	2.26
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	20	2.26
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	20	2.26
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	7	2.26
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	7	2.26
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	7	2.26
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	2	2.25
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	2	2.25
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	2	2.25
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	16	2.25
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	16	2.25
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	16	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	1	2.25
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	1	2.25
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	1	2.25
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	11	2.25
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	11	2.25
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	11	2.25
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	5	2.24
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	5	2.24
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	5	2.24
(1,986)	1:10:A:LEU:HD21	1:17:A:HIS:HD2	1	2.24
(1,986)	1:10:A:LEU:HD22	1:17:A:HIS:HD2	1	2.24
(1,986)	1:10:A:LEU:HD23	1:17:A:HIS:HD2	1	2.24
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	14	2.24
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	14	2.24
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	14	2.24
(1,623)	1:54:A:LEU:HD11	1:125:A:LEU:HG	18	2.24
(1,623)	1:54:A:LEU:HD12	1:125:A:LEU:HG	18	2.24
(1,623)	1:54:A:LEU:HD13	1:125:A:LEU:HG	18	2.24
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	6	2.24
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	6	2.24
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	6	2.24
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	7	2.22
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	7	2.22
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	7	2.22
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	7	2.22
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	7	2.22
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	7	2.22
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	12	2.22
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	12	2.22
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	12	2.22
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	5	2.22
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	5	2.22
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	5	2.22
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	7	2.22
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	7	2.22
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	7	2.22
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	16	2.21
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	16	2.21
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	16	2.21
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	5	2.21
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	5	2.21
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	5	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	15	2.21
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	15	2.21
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	15	2.21
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	15	2.21
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	15	2.21
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	15	2.21
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	15	2.21
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	15	2.21
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	15	2.21
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	15	2.21
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	15	2.21
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	15	2.21
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	1	2.2
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	1	2.2
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	1	2.2
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	19	2.2
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	19	2.2
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	19	2.2
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	2	2.2
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	2	2.2
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	2	2.2
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG11	18	2.2
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG12	18	2.2
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG13	18	2.2
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	4	2.2
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	4	2.2
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	4	2.2
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	8	2.19
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	8	2.19
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	8	2.19
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG21	14	2.19
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG22	14	2.19
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG23	14	2.19
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	6	2.19
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	6	2.19
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	6	2.19
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	4	2.18
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	4	2.18
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	4	2.18
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	18	2.18
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	18	2.18
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	18	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:10:A:LEU:HD21	1:17:A:HIS:HD2	16	2.18
(1,986)	1:10:A:LEU:HD22	1:17:A:HIS:HD2	16	2.18
(1,986)	1:10:A:LEU:HD23	1:17:A:HIS:HD2	16	2.18
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	2	2.18
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	2	2.18
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	2	2.18
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	8	2.18
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	8	2.18
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	8	2.18
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	17	2.17
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	17	2.17
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	17	2.17
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	3	2.17
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	3	2.17
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	3	2.17
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	14	2.17
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	14	2.17
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	14	2.17
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	17	2.17
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	17	2.17
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	17	2.17
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	19	2.16
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	19	2.16
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	19	2.16
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	17	2.16
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	17	2.16
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	17	2.16
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	2	2.16
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	2	2.16
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	2	2.16
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	3	2.15
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	3	2.15
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	3	2.15
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	8	2.15
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	8	2.15
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	8	2.15
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	8	2.15
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	8	2.15
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	8	2.15
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	18	2.15
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	18	2.15
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	18	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	19	2.15
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	19	2.15
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	19	2.15
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	17	2.15
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	17	2.15
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	17	2.15
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	18	2.15
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	18	2.15
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	18	2.15
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	15	2.15
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	15	2.15
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	15	2.15
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	10	2.15
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	10	2.15
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	10	2.15
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	20	2.14
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	20	2.14
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	20	2.14
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	17	2.14
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	17	2.14
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	17	2.14
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	16	2.13
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	16	2.13
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	16	2.13
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	7	2.13
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	7	2.13
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	7	2.13
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	2	2.13
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	2	2.13
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	2	2.13
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	14	2.12
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	14	2.12
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	14	2.12
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	18	2.12
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	18	2.12
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	18	2.12
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG21	11	2.12
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG22	11	2.12
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG23	11	2.12
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD21	15	2.12
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD22	15	2.12
(1,879)	1:23:A:HIS:HB2	1:27:A:LEU:HD23	15	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	18	2.12
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	18	2.12
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	18	2.12
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG11	15	2.11
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG12	15	2.11
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG13	15	2.11
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG11	17	2.11
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG12	17	2.11
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG13	17	2.11
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	9	2.11
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	9	2.11
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	9	2.11
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	19	2.11
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	19	2.11
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	19	2.11
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	20	2.1
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	20	2.1
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	20	2.1
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	20	2.1
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	20	2.1
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	20	2.1
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG11	6	2.1
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG12	6	2.1
(1,1203)	1:34:A:GLY:HA2	1:95:A:VAL:HG13	6	2.1
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	16	2.1
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	16	2.1
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	16	2.1
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	15	2.1
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	15	2.1
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	15	2.1
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	2	2.1
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	2	2.1
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	2	2.1
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	17	2.1
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	17	2.1
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	17	2.1
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	14	2.09
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	14	2.09
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	14	2.09
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	14	2.09
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	14	2.09
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	14	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	13	2.09
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	13	2.09
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	13	2.09
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	11	2.09
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	11	2.09
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	11	2.09
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	11	2.09
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	11	2.09
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	11	2.09
(1,249)	1:11:A:LYS:HG3	1:66:A:GLU:HB2	17	2.09
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	20	2.08
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	20	2.08
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	20	2.08
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	15	2.08
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	15	2.08
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	15	2.08
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	7	2.08
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	7	2.08
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	7	2.08
(1,986)	1:10:A:LEU:HD21	1:17:A:HIS:HD2	15	2.08
(1,986)	1:10:A:LEU:HD22	1:17:A:HIS:HD2	15	2.08
(1,986)	1:10:A:LEU:HD23	1:17:A:HIS:HD2	15	2.08
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	5	2.08
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	5	2.08
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	5	2.08
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	1	2.08
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	1	2.08
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	1	2.08
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	10	2.08
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	10	2.08
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	10	2.08
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	9	2.08
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	9	2.08
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	9	2.08
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	15	2.07
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	15	2.07
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	15	2.07
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	5	2.07
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	5	2.07
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	5	2.07
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	14	2.07
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	14	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	14	2.07
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	5	2.07
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	5	2.07
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	5	2.07
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	20	2.06
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	20	2.06
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	20	2.06
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	20	2.06
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	20	2.06
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	20	2.06
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	20	2.06
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	20	2.06
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	20	2.06
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG21	20	2.06
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG22	20	2.06
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG23	20	2.06
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	16	2.06
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	16	2.06
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	16	2.06
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	17	2.06
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	17	2.06
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	17	2.06
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	18	2.06
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	18	2.06
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	18	2.06
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	18	2.06
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	18	2.06
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	18	2.06
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	5	2.06
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	16	2.05
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	16	2.05
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	16	2.05
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	16	2.05
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	16	2.05
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	16	2.05
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	18	2.05
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	18	2.05
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	18	2.05
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	16	2.05
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	16	2.05
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	16	2.05
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	2	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	2	2.05
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	2	2.05
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	6	2.05
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	6	2.05
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	6	2.05
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	20	2.05
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	20	2.05
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	20	2.05
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	5	2.05
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	5	2.05
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	5	2.05
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	14	2.04
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	14	2.04
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	14	2.04
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	14	2.04
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	14	2.04
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	14	2.04
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	3	2.04
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	3	2.04
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	3	2.04
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	8	2.03
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	8	2.03
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	8	2.03
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	8	2.03
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	8	2.03
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	8	2.03
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	6	2.03
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	6	2.03
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	6	2.03
(1,986)	1:10:A:LEU:HD21	1:17:A:HIS:HD2	12	2.03
(1,986)	1:10:A:LEU:HD22	1:17:A:HIS:HD2	12	2.03
(1,986)	1:10:A:LEU:HD23	1:17:A:HIS:HD2	12	2.03
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	9	2.03
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	9	2.03
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	9	2.03
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	11	2.03
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	11	2.03
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	11	2.03
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	9	2.03
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	9	2.03
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	9	2.03
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	13	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	13	2.02
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	13	2.02
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	13	2.02
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	13	2.02
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	13	2.02
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	10	2.02
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	10	2.02
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	10	2.02
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	17	2.02
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	17	2.02
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	17	2.02
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	5	2.02
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	5	2.02
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	5	2.02
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	5	2.02
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	5	2.02
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	5	2.02
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	16	2.02
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	16	2.02
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	16	2.02
(1,980)	1:10:A:LEU:HD21	1:18:A:LYS:H	15	2.01
(1,980)	1:10:A:LEU:HD22	1:18:A:LYS:H	15	2.01
(1,980)	1:10:A:LEU:HD23	1:18:A:LYS:H	15	2.01
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	17	2.01
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	5	2.01
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	5	2.01
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	5	2.01
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	5	2.01
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	5	2.01
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	5	2.01
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	5	2.01
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	5	2.01
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	5	2.01
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	1	2.01
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	1	2.01
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	1	2.01
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	1	2.01
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	1	2.01
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	1	2.01
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	1	2.01
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	1	2.01
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	1	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:10:A:LEU:HD21	1:20:A:MET:HG3	1	2.01
(1,439)	1:10:A:LEU:HD22	1:20:A:MET:HG3	1	2.01
(1,439)	1:10:A:LEU:HD23	1:20:A:MET:HG3	1	2.01
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	2	2.0
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	2	2.0
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	2	2.0
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	14	2.0
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	14	2.0
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	14	2.0
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	6	2.0
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	6	2.0
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	6	2.0
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	3	1.99
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	3	1.99
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	3	1.99
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	3	1.99
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	3	1.99
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	3	1.99
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	15	1.99
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	15	1.99
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	15	1.99
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	15	1.99
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	15	1.99
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	15	1.99
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	4	1.99
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	4	1.99
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	4	1.99
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	16	1.99
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	16	1.99
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	16	1.99
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	16	1.99
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	16	1.99
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	16	1.99
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	3	1.98
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	3	1.98
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	3	1.98
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	1	1.98
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	1	1.98
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	1	1.98
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	15	1.98
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	15	1.98
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	15	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	15	1.98
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	15	1.98
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	15	1.98
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	4	1.97
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	4	1.97
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	4	1.97
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	1	1.97
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	1	1.97
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	1	1.97
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	17	1.96
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	17	1.96
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	17	1.96
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	18	1.96
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	18	1.96
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	18	1.96
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	20	1.96
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	1	1.96
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	1	1.96
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	1	1.96
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	16	1.95
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	16	1.95
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	16	1.95
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	9	1.95
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	9	1.95
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	9	1.95
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	2	1.95
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	2	1.95
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	2	1.95
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	7	1.95
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	7	1.95
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	7	1.95
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	7	1.95
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	7	1.95
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	7	1.95
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	7	1.95
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	7	1.95
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	7	1.95
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	20	1.95
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	20	1.95
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	20	1.95
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	14	1.95
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	14	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	14	1.95
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	20	1.94
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	20	1.94
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	20	1.94
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	20	1.94
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	20	1.94
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	20	1.94
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	1	1.94
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	1	1.94
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	1	1.94
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	17	1.94
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	17	1.94
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	17	1.94
(1,1305)	1:19:A:VAL:HG21	1:20:A:MET:HG2	11	1.94
(1,1305)	1:19:A:VAL:HG22	1:20:A:MET:HG2	11	1.94
(1,1305)	1:19:A:VAL:HG23	1:20:A:MET:HG2	11	1.94
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	2	1.94
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	2	1.94
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	2	1.94
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	3	1.94
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	3	1.94
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	3	1.94
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	9	1.94
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	9	1.94
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	9	1.94
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	12	1.94
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	12	1.94
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	12	1.94
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	17	1.94
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	17	1.94
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	17	1.94
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	10	1.94
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	10	1.94
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	10	1.94
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	18	1.93
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	18	1.93
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	18	1.93
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	18	1.93
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	18	1.93
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	18	1.93
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	18	1.93
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	18	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	18	1.93
(1,980)	1:10:A:LEU:HD21	1:18:A:LYS:H	16	1.93
(1,980)	1:10:A:LEU:HD22	1:18:A:LYS:H	16	1.93
(1,980)	1:10:A:LEU:HD23	1:18:A:LYS:H	16	1.93
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	10	1.93
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	10	1.93
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	10	1.93
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	2	1.93
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	2	1.93
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	2	1.93
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	2	1.93
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	2	1.93
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	2	1.93
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	2	1.93
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	2	1.93
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	2	1.93
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	20	1.93
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	20	1.93
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	20	1.93
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	20	1.92
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	20	1.92
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	20	1.92
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	20	1.92
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	4	1.92
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	4	1.92
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	4	1.92
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	15	1.92
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	15	1.92
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	15	1.92
(1,799)	1:10:A:LEU:HD21	1:19:A:VAL:HA	16	1.92
(1,799)	1:10:A:LEU:HD22	1:19:A:VAL:HA	16	1.92
(1,799)	1:10:A:LEU:HD23	1:19:A:VAL:HA	16	1.92
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD21	18	1.92
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD22	18	1.92
(1,586)	1:23:A:HIS:HB3	1:27:A:LEU:HD23	18	1.92
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	9	1.91
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	9	1.91
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	9	1.91
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	9	1.91
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	9	1.91
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	9	1.91
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	3	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	3	1.91
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	3	1.91
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	19	1.91
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	14	1.91
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	14	1.91
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	14	1.91
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	14	1.91
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	14	1.91
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	14	1.91
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	14	1.91
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	14	1.91
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	14	1.91
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	14	1.91
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	14	1.91
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	14	1.91
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	17	1.91
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	20	1.9
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	20	1.9
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	20	1.9
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	12	1.9
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	12	1.9
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	12	1.9
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	12	1.9
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	12	1.9
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	12	1.9
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	3	1.9
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	3	1.9
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	3	1.9
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	16	1.9
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	16	1.9
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	16	1.9
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	9	1.89
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	9	1.89
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	9	1.89
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	9	1.89
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	9	1.89
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	9	1.89
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	19	1.89
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	19	1.89
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	19	1.89
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	17	1.89
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	17	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	17	1.89
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	2	1.89
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	13	1.89
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	13	1.89
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	13	1.89
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	13	1.89
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	13	1.89
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	13	1.89
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	13	1.89
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	13	1.89
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	13	1.89
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	19	1.89
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	19	1.89
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	19	1.89
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	19	1.89
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	19	1.89
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	19	1.89
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	19	1.89
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	19	1.89
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	19	1.89
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	6	1.89
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	6	1.89
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	6	1.89
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG11	6	1.89
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG12	6	1.89
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG13	6	1.89
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	13	1.88
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	13	1.88
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	13	1.88
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	13	1.88
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	13	1.88
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	13	1.88
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	12	1.88
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	12	1.88
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	12	1.88
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	12	1.88
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	12	1.88
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	12	1.88
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	12	1.88
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	12	1.88
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	12	1.88
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	16	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	12	1.87
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	12	1.87
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	12	1.87
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	14	1.87
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	14	1.87
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	14	1.87
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	3	1.87
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	3	1.87
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	3	1.87
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	3	1.87
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	3	1.87
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	3	1.87
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	7	1.87
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	7	1.87
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	7	1.87
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	7	1.87
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	7	1.87
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	7	1.87
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	7	1.87
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	7	1.87
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	7	1.87
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	7	1.87
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	7	1.87
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	7	1.87
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	15	1.87
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	15	1.87
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	15	1.87
(1,728)	1:42:A:LEU:HD11	1:132:A:SER:HA	16	1.87
(1,728)	1:42:A:LEU:HD12	1:132:A:SER:HA	16	1.87
(1,728)	1:42:A:LEU:HD13	1:132:A:SER:HA	16	1.87
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	14	1.87
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	5	1.86
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	5	1.86
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	5	1.86
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	5	1.86
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	5	1.86
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	5	1.86
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	5	1.86
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	5	1.86
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	5	1.86
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	11	1.86
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	11	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	11	1.86
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	15	1.86
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	15	1.86
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	15	1.86
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	18	1.86
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	18	1.86
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	18	1.86
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	3	1.86
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	2	1.86
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	2	1.86
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	2	1.86
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	12	1.85
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD21	7	1.85
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD22	7	1.85
(1,877)	1:23:A:HIS:HA	1:27:A:LEU:HD23	7	1.85
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	5	1.85
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	5	1.85
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	5	1.85
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	19	1.85
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	19	1.85
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	19	1.85
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	15	1.85
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	15	1.85
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	15	1.85
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	15	1.85
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	15	1.85
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	15	1.85
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	15	1.85
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	15	1.85
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	15	1.85
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	5	1.84
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	5	1.84
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	5	1.84
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	16	1.84
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	16	1.84
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	16	1.84
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	10	1.84
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	15	1.84
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	15	1.84
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	15	1.84
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	15	1.84
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	15	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	15	1.84
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	15	1.84
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	15	1.84
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	15	1.84
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	18	1.84
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	18	1.84
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	18	1.84
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	18	1.84
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	18	1.84
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	18	1.84
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	18	1.84
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	18	1.84
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	18	1.84
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	16	1.84
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	16	1.84
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	16	1.84
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	16	1.84
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	16	1.84
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	16	1.84
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	16	1.84
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	16	1.84
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	16	1.84
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	16	1.84
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	16	1.84
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	16	1.84
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	20	1.84
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	20	1.84
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	20	1.84
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	20	1.83
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	20	1.83
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	20	1.83
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	2	1.83
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	2	1.83
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	2	1.83
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	2	1.83
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	2	1.83
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	2	1.83
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	20	1.83
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	20	1.83
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	20	1.83
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	20	1.83
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	20	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	20	1.83
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	20	1.83
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	20	1.83
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	20	1.83
(1,799)	1:10:A:LEU:HD21	1:19:A:VAL:HA	1	1.83
(1,799)	1:10:A:LEU:HD22	1:19:A:VAL:HA	1	1.83
(1,799)	1:10:A:LEU:HD23	1:19:A:VAL:HA	1	1.83
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	1	1.83
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	1	1.83
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	1	1.83
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	12	1.83
(1,301)	1:135:A:SER:HB2	1:136:A:GLU:HG3	1	1.83
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	12	1.82
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	16	1.82
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	16	1.82
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	16	1.82
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	19	1.82
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	19	1.82
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	19	1.82
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	6	1.82
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	19	1.82
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	19	1.82
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	19	1.82
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	2	1.82
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	11	1.81
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	11	1.81
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	11	1.81
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	11	1.81
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	11	1.81
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	11	1.81
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	20	1.81
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	20	1.81
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	20	1.81
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	20	1.81
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	20	1.81
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	20	1.81
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	20	1.81
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	20	1.81
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	20	1.81
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	15	1.81
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	15	1.81
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	15	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	5	1.8
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	10	1.8
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	9	1.8
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	9	1.8
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	9	1.8
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	9	1.8
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	10	1.8
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	10	1.8
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	10	1.8
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	18	1.8
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	18	1.8
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	18	1.8
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	2	1.79
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	2	1.79
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	2	1.79
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD21	17	1.79
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD22	17	1.79
(1,1983)	1:77:A:PHE:HE1	1:78:A:LEU:HD23	17	1.79
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD21	17	1.79
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD22	17	1.79
(1,1983)	1:77:A:PHE:HE2	1:78:A:LEU:HD23	17	1.79
(1,1846)	1:144:A:ASN:HA	1:147:A:GLU:HG3	20	1.79
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	19	1.79
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	19	1.79
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	19	1.79
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	3	1.79
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	3	1.79
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	3	1.79
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	3	1.79
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	3	1.79
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	3	1.79
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	3	1.79
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	3	1.79
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	3	1.79
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	3	1.79
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	1	1.79
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	1	1.79
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	1	1.79
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	3	1.79
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	3	1.79
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	3	1.79
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	1	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	1	1.79
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	1	1.79
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	13	1.78
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	11	1.77
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	11	1.77
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	11	1.77
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	14	1.77
(1,687)	1:141:A:LEU:HD11	1:142:A:ARG:HA	20	1.77
(1,687)	1:141:A:LEU:HD12	1:142:A:ARG:HA	20	1.77
(1,687)	1:141:A:LEU:HD13	1:142:A:ARG:HA	20	1.77
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	3	1.77
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	3	1.77
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	3	1.77
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	17	1.77
(1,439)	1:10:A:LEU:HD21	1:20:A:MET:HG3	12	1.77
(1,439)	1:10:A:LEU:HD22	1:20:A:MET:HG3	12	1.77
(1,439)	1:10:A:LEU:HD23	1:20:A:MET:HG3	12	1.77
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG21	6	1.77
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG22	6	1.77
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG23	6	1.77
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	20	1.76
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	20	1.76
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	20	1.76
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	15	1.76
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	15	1.76
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	15	1.76
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	7	1.76
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	7	1.76
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	7	1.76
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	7	1.76
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	7	1.76
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	7	1.76
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	7	1.76
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	7	1.76
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	7	1.76
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	9	1.76
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	9	1.76
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	9	1.76
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	6	1.76
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	6	1.76
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	6	1.76
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	5	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	5	1.76
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	5	1.76
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	17	1.76
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	17	1.76
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	17	1.76
(1,178)	1:8:A:GLY:HA2	1:133:A:TYR:HB2	12	1.76
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	4	1.75
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	10	1.75
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	10	1.75
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	10	1.75
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	18	1.75
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	18	1.75
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	18	1.75
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	6	1.75
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	6	1.75
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	6	1.75
(1,178)	1:8:A:GLY:HA2	1:133:A:TYR:HB2	5	1.75
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	8	1.74
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	16	1.74
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG11	15	1.74
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG12	15	1.74
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG13	15	1.74
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	17	1.74
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	17	1.74
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	17	1.74
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	12	1.74
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	12	1.74
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	12	1.74
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	2	1.74
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	2	1.74
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	2	1.74
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	2	1.74
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	2	1.74
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	2	1.74
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	11	1.74
(1,492)	1:35:A:CYS:HB2	1:62:A:CYS:HB3	3	1.74
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	12	1.74
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	6	1.73
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	6	1.73
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	6	1.73
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG11	17	1.73
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG12	17	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG13	17	1.73
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	16	1.73
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	16	1.73
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	16	1.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	16	1.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	16	1.73
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	16	1.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	16	1.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	16	1.73
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	16	1.73
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	15	1.73
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	13	1.73
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	17	1.73
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	17	1.73
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	17	1.73
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	6	1.72
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	6	1.72
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	6	1.72
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD21	9	1.72
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD22	9	1.72
(1,2052)	1:52:A:TRP:HE3	1:54:A:LEU:HD23	9	1.72
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	9	1.72
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	9	1.72
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	9	1.72
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	3	1.72
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	3	1.72
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	3	1.72
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	3	1.72
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	3	1.72
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	3	1.72
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	3	1.72
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	3	1.72
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	3	1.72
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	18	1.72
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	18	1.72
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	18	1.72
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG11	18	1.72
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG12	18	1.72
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG13	18	1.72
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	3	1.72
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	16	1.72
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	3	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	12	1.71
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	8	1.71
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	8	1.71
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	8	1.71
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	8	1.71
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	8	1.71
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	8	1.71
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	14	1.71
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	14	1.71
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	14	1.71
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG11	2	1.71
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG12	2	1.71
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG13	2	1.71
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG11	2	1.71
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG12	2	1.71
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG13	2	1.71
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG11	2	1.71
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG12	2	1.71
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG13	2	1.71
(1,983)	1:10:A:LEU:HD21	1:19:A:VAL:H	16	1.71
(1,983)	1:10:A:LEU:HD22	1:19:A:VAL:H	16	1.71
(1,983)	1:10:A:LEU:HD23	1:19:A:VAL:H	16	1.71
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	14	1.71
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	14	1.71
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	14	1.71
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	9	1.71
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	9	1.71
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	9	1.71
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	9	1.71
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	9	1.71
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	9	1.71
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	9	1.71
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	9	1.71
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	9	1.71
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	4	1.71
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	4	1.71
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	4	1.71
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	4	1.71
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	4	1.71
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	4	1.71
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	4	1.71
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	4	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	4	1.71
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	20	1.71
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	20	1.71
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	20	1.71
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	11	1.71
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	19	1.71
(1,301)	1:135:A:SER:HB2	1:136:A:GLU:HG3	15	1.71
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	11	1.7
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	11	1.7
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	11	1.7
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	11	1.7
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	11	1.7
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	11	1.7
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	1	1.7
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	1	1.7
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	1	1.7
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	4	1.7
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	4	1.7
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	4	1.7
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	15	1.7
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	15	1.7
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	15	1.7
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	7	1.7
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	7	1.7
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	7	1.7
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	8	1.7
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	8	1.7
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	8	1.7
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	14	1.7
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	14	1.7
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	14	1.7
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	14	1.7
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	14	1.7
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	14	1.7
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	14	1.7
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	14	1.7
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	14	1.7
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	15	1.7
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	15	1.7
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	15	1.7
(1,799)	1:10:A:LEU:HD21	1:19:A:VAL:HA	19	1.7
(1,799)	1:10:A:LEU:HD22	1:19:A:VAL:HA	19	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:10:A:LEU:HD23	1:19:A:VAL:HA	19	1.7
(1,178)	1:8:A:GLY:HA2	1:133:A:TYR:HB2	19	1.7
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	3	1.7
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	3	1.7
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	3	1.7
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	7	1.69
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	7	1.69
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	7	1.69
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	19	1.69
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	19	1.69
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	19	1.69
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	17	1.69
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	17	1.69
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	17	1.69
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	12	1.69
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	12	1.69
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	12	1.69
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	12	1.69
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	12	1.69
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	12	1.69
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	12	1.69
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	12	1.69
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	12	1.69
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	7	1.69
(1,87)	1:146:A:ARG:HA	1:149:A:ARG:HD2	15	1.69
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	7	1.68
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	7	1.68
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	7	1.68
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	7	1.68
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	7	1.68
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	7	1.68
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	16	1.68
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	16	1.68
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	16	1.68
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG11	6	1.68
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG12	6	1.68
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG13	6	1.68
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG11	18	1.68
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG12	18	1.68
(1,1226)	1:35:A:CYS:H	1:95:A:VAL:HG13	18	1.68
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	10	1.68
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	10	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	10	1.68
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	10	1.68
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	10	1.68
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	10	1.68
(1,1061)	1:63:A:VAL:HG11	1:132:A:SER:HA	14	1.68
(1,1061)	1:63:A:VAL:HG12	1:132:A:SER:HA	14	1.68
(1,1061)	1:63:A:VAL:HG13	1:132:A:SER:HA	14	1.68
(1,1061)	1:63:A:VAL:HG11	1:132:A:SER:HA	20	1.68
(1,1061)	1:63:A:VAL:HG12	1:132:A:SER:HA	20	1.68
(1,1061)	1:63:A:VAL:HG13	1:132:A:SER:HA	20	1.68
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	19	1.68
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	19	1.68
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	19	1.68
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	3	1.68
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	3	1.68
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	3	1.68
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG21	15	1.68
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG22	15	1.68
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG23	15	1.68
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	9	1.67
(1,2122)	1:31:A:ARG:HG2	1:100:A:TRP:HZ2	7	1.67
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	20	1.67
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	20	1.67
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	20	1.67
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	20	1.67
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	20	1.67
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	20	1.67
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	16	1.67
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	16	1.67
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	16	1.67
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	16	1.67
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	16	1.67
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	16	1.67
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	1	1.67
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	1	1.67
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	1	1.67
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	1	1.67
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	1	1.67
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	1	1.67
(1,988)	1:10:A:LEU:HD21	1:20:A:MET:HA	1	1.67
(1,988)	1:10:A:LEU:HD22	1:20:A:MET:HA	1	1.67
(1,988)	1:10:A:LEU:HD23	1:20:A:MET:HA	1	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	20	1.67
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	20	1.67
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	20	1.67
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	14	1.67
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	17	1.67
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	3	1.66
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	3	1.66
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	3	1.66
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	15	1.66
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	15	1.66
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	15	1.66
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	19	1.66
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	19	1.66
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	19	1.66
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	16	1.66
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	16	1.66
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	16	1.66
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	16	1.66
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	16	1.66
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	16	1.66
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	16	1.66
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	16	1.66
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	16	1.66
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	7	1.66
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	7	1.66
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	7	1.66
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	16	1.66
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	16	1.66
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	16	1.66
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	13	1.66
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	13	1.66
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	13	1.66
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	17	1.66
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	17	1.66
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	17	1.66
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	8	1.66
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	8	1.66
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	8	1.66
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	16	1.66
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	16	1.66
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	16	1.66
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	7	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	17	1.66
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	16	1.65
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	16	1.65
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	16	1.65
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	17	1.65
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	17	1.65
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	17	1.65
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	10	1.65
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	10	1.65
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	10	1.65
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	8	1.65
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	8	1.65
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	8	1.65
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	16	1.65
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	16	1.65
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	16	1.65
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	20	1.65
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	20	1.65
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	20	1.65
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	15	1.65
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	15	1.65
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	15	1.65
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	12	1.65
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	12	1.65
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	12	1.65
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	10	1.65
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	9	1.65
(1,178)	1:8:A:GLY:HA2	1:133:A:TYR:HB2	1	1.65
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	10	1.64
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	3	1.64
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	3	1.64
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	3	1.64
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	14	1.64
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	14	1.64
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	14	1.64
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG21	20	1.64
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG22	20	1.64
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG23	20	1.64
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	18	1.64
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	18	1.64
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	18	1.64
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	12	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	12	1.64
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	12	1.64
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	16	1.64
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	16	1.64
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	16	1.64
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	14	1.64
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	14	1.64
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	14	1.64
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	1	1.64
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	19	1.64
(1,301)	1:135:A:SER:HB2	1:136:A:GLU:HG3	11	1.64
(1,200)	1:22:A:ASP:HB2	1:25:A:HIS:HD2	16	1.64
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	16	1.64
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	16	1.64
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	16	1.64
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	20	1.64
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	2	1.63
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	2	1.63
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	2	1.63
(1,2122)	1:31:A:ARG:HG2	1:100:A:TRP:HZ2	16	1.63
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	14	1.63
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	14	1.63
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	14	1.63
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	3	1.63
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	3	1.63
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	3	1.63
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	2	1.63
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	2	1.63
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	2	1.63
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	1	1.63
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	1	1.63
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	1	1.63
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	1	1.63
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	1	1.63
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	1	1.63
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	1	1.63
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	1	1.63
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	1	1.63
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	16	1.63
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	16	1.63
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	16	1.63
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	4	1.63
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	4	1.63
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	4	1.63
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	16	1.63
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	16	1.63
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	16	1.63
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	17	1.63
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	17	1.63
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	17	1.63
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	2	1.63
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG21	18	1.63
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG22	18	1.63
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG23	18	1.63
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	14	1.62
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	14	1.62
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	14	1.62
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	16	1.62
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	16	1.62
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	16	1.62
(1,2122)	1:31:A:ARG:HG2	1:100:A:TRP:HZ2	18	1.62
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	8	1.62
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	8	1.62
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	9	1.62
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	9	1.62
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	9	1.62
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	2	1.62
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	2	1.62
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	2	1.62
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	8	1.62
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	8	1.62
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	8	1.62
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	1	1.62
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	1	1.62
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	1	1.62
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	12	1.62
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	12	1.62
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	12	1.62
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	17	1.62
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	17	1.62
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	17	1.62
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	17	1.62
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	17	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	17	1.62
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	17	1.62
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	17	1.62
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	17	1.62
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	14	1.62
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	14	1.62
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	14	1.62
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	1	1.62
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	3	1.62
(1,356)	1:94:A:GLN:HA	1:111:A:GLN:HG2	6	1.62
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	3	1.61
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	3	1.61
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	3	1.61
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	3	1.61
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	3	1.61
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	3	1.61
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	3	1.61
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	3	1.61
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	3	1.61
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	13	1.61
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	13	1.61
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	13	1.61
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	13	1.61
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	13	1.61
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	13	1.61
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	6	1.61
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	7	1.61
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	7	1.61
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	7	1.61
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	7	1.61
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	7	1.61
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	7	1.61
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	7	1.61
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	7	1.61
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	7	1.61
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	12	1.61
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	12	1.61
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	12	1.61
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	12	1.61
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	12	1.61
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	12	1.61
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	12	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	12	1.61
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	12	1.61
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	14	1.61
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	14	1.61
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	14	1.61
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	18	1.61
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	18	1.61
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	18	1.61
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	18	1.61
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	18	1.61
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	18	1.61
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	18	1.61
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	18	1.61
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	18	1.61
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	16	1.61
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	16	1.61
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	16	1.61
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	4	1.61
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	4	1.61
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	4	1.61
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	1	1.61
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	1	1.61
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	1	1.61
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	15	1.61
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	15	1.61
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	15	1.61
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	15	1.61
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	15	1.61
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	15	1.61
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	15	1.61
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	15	1.61
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	15	1.61
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	7	1.61
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	7	1.61
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	7	1.61
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	14	1.61
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	14	1.61
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	14	1.61
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	20	1.61
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	20	1.61
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	20	1.61
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	7	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	9	1.61
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	14	1.61
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	10	1.6
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	10	1.6
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	10	1.6
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	10	1.6
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	10	1.6
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	10	1.6
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	19	1.6
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	19	1.6
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	1	1.6
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	1	1.6
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	1	1.6
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	6	1.6
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	6	1.6
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	6	1.6
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	11	1.6
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	11	1.6
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	11	1.6
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	6	1.6
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	6	1.6
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	6	1.6
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	7	1.6
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	7	1.6
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	7	1.6
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	10	1.6
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	10	1.6
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	10	1.6
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	7	1.6
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	7	1.6
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	7	1.6
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	14	1.59
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	16	1.59
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	16	1.59
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	16	1.59
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	19	1.59
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	19	1.59
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	19	1.59
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	17	1.59
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	17	1.59
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	17	1.59
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	9	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	9	1.59
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	9	1.59
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	9	1.59
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	9	1.59
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	9	1.59
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG21	20	1.59
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG22	20	1.59
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG23	20	1.59
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	8	1.59
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	18	1.59
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	18	1.59
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	18	1.59
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	20	1.59
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	20	1.59
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	20	1.59
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	20	1.59
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	20	1.59
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	20	1.59
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	20	1.59
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	20	1.59
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	20	1.59
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	14	1.59
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	14	1.59
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	14	1.59
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	15	1.59
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	15	1.59
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	15	1.59
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	18	1.59
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	7	1.59
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	10	1.59
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	7	1.58
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	13	1.58
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	18	1.58
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	9	1.58
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	9	1.58
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	9	1.58
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	9	1.58
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	9	1.58
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	9	1.58
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	9	1.58
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	9	1.58
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	9	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	9	1.58
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	9	1.58
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	9	1.58
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	9	1.58
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	9	1.58
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	9	1.58
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	9	1.58
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	9	1.58
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	9	1.58
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	9	1.58
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	9	1.58
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	9	1.58
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	19	1.58
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	19	1.58
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	19	1.58
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	19	1.58
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	19	1.58
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	19	1.58
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	19	1.58
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	19	1.58
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	19	1.58
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	3	1.58
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	3	1.58
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	3	1.58
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	17	1.58
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	17	1.58
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	17	1.58
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	7	1.58
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	7	1.58
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	7	1.58
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	7	1.58
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	7	1.58
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	7	1.58
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	7	1.58
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	7	1.58
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	7	1.58
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	14	1.58
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	14	1.58
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	14	1.58
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	1	1.58
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	1	1.58
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	1	1.58
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	8	1.58
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	9	1.58
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	20	1.57
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	8	1.57
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	8	1.57
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	8	1.57
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	8	1.57
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	8	1.57
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	8	1.57
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	13	1.57
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	13	1.57
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	13	1.57
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	13	1.57
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	13	1.57
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	13	1.57
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	4	1.57
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	4	1.57
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	4	1.57
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	8	1.57
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	8	1.57
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	8	1.57
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	8	1.57
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	8	1.57
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	8	1.57
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	2	1.57
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	2	1.57
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	2	1.57
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	3	1.57
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	3	1.57
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	3	1.57
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	1	1.57
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	6	1.57
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	17	1.57
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	17	1.57
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	17	1.57
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG21	17	1.57
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG22	17	1.57
(1,26)	1:93:A:LEU:HB3	1:95:A:VAL:HG23	17	1.57
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	13	1.56
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	17	1.56
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	17	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	17	1.56
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	20	1.56
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	20	1.56
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	20	1.56
(1,439)	1:10:A:LEU:HD21	1:20:A:MET:HG3	15	1.56
(1,439)	1:10:A:LEU:HD22	1:20:A:MET:HG3	15	1.56
(1,439)	1:10:A:LEU:HD23	1:20:A:MET:HG3	15	1.56
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	13	1.56
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	13	1.56
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	13	1.56
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	13	1.56
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	13	1.55
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	4	1.55
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	4	1.55
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	4	1.55
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	10	1.55
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	10	1.55
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	10	1.55
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	13	1.55
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	13	1.55
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	13	1.55
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	11	1.55
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	11	1.55
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	11	1.55
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	11	1.55
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	11	1.55
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	11	1.55
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	11	1.55
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	11	1.55
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	11	1.55
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	13	1.55
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	13	1.55
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	13	1.55
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	13	1.55
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	13	1.55
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	13	1.55
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	13	1.55
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	13	1.55
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	13	1.55
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	18	1.55
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	18	1.55
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	18	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	10	1.55
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	5	1.55
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	17	1.55
(1,426)	1:33:A:ARG:HD2	1:99:A:GLU:HB2	17	1.55
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	5	1.55
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	9	1.55
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	9	1.55
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	9	1.55
(1,87)	1:146:A:ARG:HA	1:149:A:ARG:HD2	5	1.55
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	18	1.54
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	18	1.54
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	18	1.54
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG21	14	1.54
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG22	14	1.54
(1,1040)	1:40:A:PHE:H	1:63:A:VAL:HG23	14	1.54
(1,983)	1:10:A:LEU:HD21	1:19:A:VAL:H	15	1.54
(1,983)	1:10:A:LEU:HD22	1:19:A:VAL:H	15	1.54
(1,983)	1:10:A:LEU:HD23	1:19:A:VAL:H	15	1.54
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	16	1.54
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	16	1.54
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	16	1.54
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	15	1.54
(1,356)	1:94:A:GLN:HA	1:111:A:GLN:HG2	11	1.54
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	6	1.54
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	14	1.53
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	2	1.53
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	2	1.53
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	2	1.53
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	18	1.53
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	18	1.53
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	18	1.53
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	9	1.53
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	9	1.53
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	9	1.53
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	1	1.53
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	1	1.53
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	1	1.53
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	15	1.53
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	15	1.53
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	15	1.53
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	15	1.53
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	15	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	15	1.53
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	4	1.53
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	4	1.53
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	4	1.53
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	2	1.53
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	2	1.53
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	2	1.53
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	14	1.53
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	14	1.53
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	14	1.53
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	14	1.53
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	14	1.53
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	14	1.53
(1,636)	1:146:A:ARG:HG3	1:149:A:ARG:HA	5	1.53
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	2	1.53
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	7	1.53
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	18	1.53
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	18	1.53
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	18	1.53
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	11	1.52
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	11	1.52
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	11	1.52
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	17	1.52
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	17	1.52
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	17	1.52
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	14	1.52
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	14	1.52
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	14	1.52
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	14	1.52
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	14	1.52
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	14	1.52
(1,1418)	1:43:A:VAL:HG11	1:124:A:TRP:HZ3	6	1.52
(1,1418)	1:43:A:VAL:HG12	1:124:A:TRP:HZ3	6	1.52
(1,1418)	1:43:A:VAL:HG13	1:124:A:TRP:HZ3	6	1.52
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	10	1.52
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	10	1.52
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	10	1.52
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	9	1.52
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	9	1.52
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	9	1.52
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	4	1.52
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	4	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	4	1.52
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	4	1.52
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	4	1.52
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	4	1.52
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	9	1.52
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	9	1.52
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	9	1.52
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	6	1.52
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	6	1.52
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	6	1.52
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	20	1.52
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	20	1.52
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	20	1.52
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	20	1.52
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	20	1.52
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	20	1.52
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	20	1.52
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	20	1.52
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	20	1.52
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	12	1.52
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	12	1.52
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	12	1.52
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	4	1.52
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	8	1.52
(1,200)	1:22:A:ASP:HB2	1:25:A:HIS:HD2	4	1.52
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	17	1.52
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	16	1.51
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	16	1.51
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	16	1.51
(1,2122)	1:31:A:ARG:HG2	1:100:A:TRP:HZ2	5	1.51
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	2	1.51
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	2	1.51
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	2	1.51
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	2	1.51
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	2	1.51
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	2	1.51
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	13	1.51
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	13	1.51
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	6	1.51
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	6	1.51
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	6	1.51
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	18	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	18	1.51
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	18	1.51
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	17	1.51
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	17	1.51
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	17	1.51
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	17	1.51
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	17	1.51
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	17	1.51
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	17	1.51
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	17	1.51
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	17	1.51
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	10	1.51
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	10	1.51
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	10	1.51
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	6	1.51
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	6	1.51
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	6	1.51
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	15	1.51
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	15	1.51
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	15	1.51
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	15	1.51
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	15	1.51
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	15	1.51
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	15	1.51
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	15	1.51
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	15	1.51
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	2	1.51
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	2	1.51
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	2	1.51
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	12	1.51
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	12	1.51
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	12	1.51
(1,799)	1:10:A:LEU:HD21	1:19:A:VAL:HA	15	1.51
(1,799)	1:10:A:LEU:HD22	1:19:A:VAL:HA	15	1.51
(1,799)	1:10:A:LEU:HD23	1:19:A:VAL:HA	15	1.51
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	6	1.51
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	6	1.51
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	6	1.51
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	11	1.51
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	18	1.51
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	18	1.51
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	18	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	11	1.5
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	11	1.5
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	11	1.5
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	11	1.5
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	11	1.5
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	11	1.5
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	11	1.5
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	11	1.5
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	11	1.5
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	11	1.5
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	11	1.5
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	11	1.5
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	11	1.5
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	11	1.5
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	11	1.5
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	11	1.5
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	16	1.5
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	16	1.5
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	16	1.5
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	16	1.5
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	16	1.5
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	16	1.5
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	16	1.5
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	16	1.5
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	16	1.5
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	14	1.5
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	14	1.5
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	14	1.5
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	11	1.5
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	11	1.5
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	11	1.5
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	11	1.5
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	11	1.5
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	11	1.5
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD21	20	1.5
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD22	20	1.5
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD23	20	1.5
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	17	1.5
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	17	1.5
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	17	1.5
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	16	1.5
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	16	1.5
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	15	1.5
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	15	1.5
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	15	1.5
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	15	1.5
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	15	1.5
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	15	1.5
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	18	1.5
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	18	1.5
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	18	1.5
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	18	1.5
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	18	1.5
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	18	1.5
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	18	1.5
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	18	1.5
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	18	1.5
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	18	1.5
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	18	1.5
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	18	1.5
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	5	1.5
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	5	1.5
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	5	1.5
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	14	1.5
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	14	1.5
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	14	1.5
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	1	1.5
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	1	1.5
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	1	1.5
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	4	1.5
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	19	1.5
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	19	1.5
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	19	1.5
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG21	15	1.49
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG22	15	1.49
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG23	15	1.49
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG21	18	1.49
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG22	18	1.49
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG23	18	1.49
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	3	1.49
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	3	1.49
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	3	1.49
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	10	1.49
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG11	14	1.49
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG12	14	1.49
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG13	14	1.49
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG11	14	1.49
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG12	14	1.49
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG13	14	1.49
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG11	14	1.49
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG12	14	1.49
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG13	14	1.49
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	2	1.49
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	2	1.49
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	2	1.49
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	5	1.49
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	5	1.49
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	5	1.49
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	17	1.49
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	17	1.49
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	17	1.49
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	1	1.49
(1,880)	1:27:A:LEU:HD21	1:71:A:ASP:HB2	13	1.49
(1,880)	1:27:A:LEU:HD22	1:71:A:ASP:HB2	13	1.49
(1,880)	1:27:A:LEU:HD23	1:71:A:ASP:HB2	13	1.49
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	1	1.49
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	1	1.49
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	1	1.49
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	1	1.49
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	1	1.49
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	1	1.49
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	16	1.49
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	16	1.49
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	16	1.49
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	18	1.49
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	18	1.49
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	18	1.49
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	18	1.49
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	18	1.49
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	18	1.49
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	4	1.49
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	1	1.49
(1,371)	1:110:A:VAL:HG11	1:112:A:CYS:HB3	10	1.49
(1,371)	1:110:A:VAL:HG12	1:112:A:CYS:HB3	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:110:A:VAL:HG13	1:112:A:CYS:HB3	10	1.49
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	4	1.49
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	11	1.49
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	18	1.49
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	4	1.49
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	9	1.49
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	13	1.48
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	13	1.48
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	13	1.48
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	18	1.48
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	18	1.48
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	18	1.48
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	18	1.48
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	18	1.48
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	18	1.48
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	17	1.48
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	17	1.48
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	17	1.48
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	17	1.48
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	17	1.48
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	17	1.48
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	15	1.48
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	15	1.48
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	15	1.48
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	1	1.48
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	1	1.48
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	1	1.48
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	15	1.48
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	15	1.48
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	15	1.48
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	7	1.48
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	7	1.48
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	7	1.48
(1,989)	1:10:A:LEU:HD21	1:20:A:MET:HG2	1	1.48
(1,989)	1:10:A:LEU:HD22	1:20:A:MET:HG2	1	1.48
(1,989)	1:10:A:LEU:HD23	1:20:A:MET:HG2	1	1.48
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	19	1.48
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	19	1.48
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	19	1.48
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	12	1.48
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	12	1.48
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	12	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	12	1.48
(1,264)	1:72:A:GLU:HG2	1:76:A:ARG:HG3	3	1.48
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	20	1.48
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	20	1.48
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	20	1.48
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	20	1.48
(1,2768)	1:35:A:CYS:HB2	1:64:A:THR:H	3	1.47
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	1	1.47
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	1	1.47
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	1	1.47
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	15	1.47
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	15	1.47
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	15	1.47
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	15	1.47
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	15	1.47
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	15	1.47
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG11	19	1.47
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG12	19	1.47
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG13	19	1.47
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG11	19	1.47
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG12	19	1.47
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG13	19	1.47
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG11	19	1.47
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG12	19	1.47
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG13	19	1.47
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	17	1.47
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	17	1.47
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	17	1.47
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	3	1.47
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	3	1.47
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	3	1.47
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	16	1.47
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	6	1.47
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	6	1.47
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	6	1.47
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	17	1.47
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	17	1.47
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	17	1.47
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	16	1.47
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	16	1.47
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	16	1.47
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	11	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	8	1.47
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	17	1.47
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG11	6	1.46
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG12	6	1.46
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG13	6	1.46
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	17	1.46
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	17	1.46
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	2	1.46
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	2	1.46
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	2	1.46
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	6	1.46
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	6	1.46
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	6	1.46
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	6	1.46
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	6	1.46
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	6	1.46
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	2	1.46
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	20	1.46
(1,1234)	1:95:A:VAL:HG21	1:112:A:CYS:H	18	1.46
(1,1234)	1:95:A:VAL:HG22	1:112:A:CYS:H	18	1.46
(1,1234)	1:95:A:VAL:HG23	1:112:A:CYS:H	18	1.46
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	16	1.46
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	16	1.46
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	16	1.46
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	11	1.46
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	11	1.46
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	11	1.46
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	13	1.46
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	13	1.46
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	13	1.46
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	16	1.46
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	16	1.46
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	16	1.46
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	5	1.46
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	5	1.46
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	5	1.46
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	7	1.46
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	7	1.46
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	7	1.46
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	7	1.46
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	7	1.46
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	7	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	7	1.46
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	7	1.46
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	7	1.46
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	15	1.46
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	15	1.46
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	15	1.46
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	15	1.46
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	1	1.45
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	1	1.45
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	8	1.45
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	4	1.45
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	4	1.45
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	4	1.45
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	4	1.45
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	4	1.45
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	4	1.45
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	5	1.45
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	5	1.45
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	5	1.45
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	14	1.45
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	14	1.45
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	14	1.45
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	10	1.45
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	10	1.45
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	10	1.45
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	10	1.45
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	10	1.45
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	10	1.45
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	15	1.45
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	15	1.45
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	15	1.45
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	6	1.45
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	6	1.45
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	6	1.45
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	6	1.45
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	6	1.45
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	6	1.45
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	14	1.45
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	14	1.45
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	14	1.45
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	1	1.45
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	1	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	1	1.45
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	7	1.45
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	7	1.45
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	7	1.45
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	4	1.45
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	20	1.45
(1,200)	1:22:A:ASP:HB2	1:25:A:HIS:HD2	3	1.45
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	4	1.45
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	4	1.45
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	4	1.45
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	14	1.44
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	14	1.44
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	14	1.44
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	16	1.44
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	17	1.44
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	15	1.44
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	15	1.44
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	15	1.44
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG21	6	1.44
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG22	6	1.44
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG23	6	1.44
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	6	1.44
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	6	1.44
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	6	1.44
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	16	1.44
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	16	1.44
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	16	1.44
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	16	1.44
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	16	1.44
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	16	1.44
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	4	1.44
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	4	1.44
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	4	1.44
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	14	1.44
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	14	1.44
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	14	1.44
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	14	1.44
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	14	1.44
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	14	1.44
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG11	5	1.44
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG12	5	1.44
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG13	5	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG11	5	1.44
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG12	5	1.44
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG13	5	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG11	5	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG12	5	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG13	5	1.44
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG11	11	1.44
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG12	11	1.44
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG13	11	1.44
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG11	11	1.44
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG12	11	1.44
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG13	11	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG11	11	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG12	11	1.44
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG13	11	1.44
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	15	1.44
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	11	1.44
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	11	1.44
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	11	1.44
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	10	1.44
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	10	1.44
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	10	1.44
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	14	1.44
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	14	1.44
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	14	1.44
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	5	1.44
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	5	1.44
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	5	1.44
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	14	1.44
(1,301)	1:135:A:SER:HB2	1:136:A:GLU:HG3	14	1.44
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	4	1.43
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	4	1.43
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	4	1.43
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	17	1.43
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	17	1.43
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	17	1.43
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	17	1.43
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	17	1.43
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	17	1.43
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	12	1.43
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	12	1.43
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	5	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	5	1.43
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	5	1.43
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	12	1.43
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	12	1.43
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	12	1.43
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	11	1.43
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	11	1.43
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	11	1.43
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	6	1.43
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	6	1.43
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	6	1.43
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	2	1.43
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	13	1.43
(1,371)	1:110:A:VAL:HG11	1:112:A:CYS:HB3	5	1.43
(1,371)	1:110:A:VAL:HG12	1:112:A:CYS:HB3	5	1.43
(1,371)	1:110:A:VAL:HG13	1:112:A:CYS:HB3	5	1.43
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	20	1.43
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	7	1.43
(1,200)	1:22:A:ASP:HB2	1:25:A:HIS:HD2	19	1.43
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG21	6	1.43
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG22	6	1.43
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG23	6	1.43
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	10	1.42
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	5	1.42
(1,2436)	1:63:A:VAL:HG11	1:133:A:TYR:H	14	1.42
(1,2436)	1:63:A:VAL:HG12	1:133:A:TYR:H	14	1.42
(1,2436)	1:63:A:VAL:HG13	1:133:A:TYR:H	14	1.42
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	20	1.42
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	20	1.42
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	1	1.42
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	1	1.42
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	1	1.42
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	1	1.42
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	1	1.42
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	1	1.42
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	1	1.42
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	1	1.42
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	1	1.42
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	16	1.42
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	16	1.42
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	16	1.42
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	8	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	8	1.42
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	8	1.42
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	16	1.42
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	16	1.42
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	16	1.42
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	8	1.42
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	8	1.42
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	8	1.42
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	5	1.42
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	5	1.42
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	5	1.42
(1,748)	1:42:A:LEU:HD21	1:43:A:VAL:H	15	1.42
(1,748)	1:42:A:LEU:HD22	1:43:A:VAL:H	15	1.42
(1,748)	1:42:A:LEU:HD23	1:43:A:VAL:H	15	1.42
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	5	1.42
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	1	1.42
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	1	1.42
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	11	1.42
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	11	1.42
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	16	1.42
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	5	1.42
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	10	1.41
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	10	1.41
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	10	1.41
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	10	1.41
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	10	1.41
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	10	1.41
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	1	1.41
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	1	1.41
(1,1818)	1:45:A:ALA:HA	1:127:A:LEU:HD11	7	1.41
(1,1818)	1:45:A:ALA:HA	1:127:A:LEU:HD12	7	1.41
(1,1818)	1:45:A:ALA:HA	1:127:A:LEU:HD13	7	1.41
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	14	1.41
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	14	1.41
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	14	1.41
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	19	1.41
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	19	1.41
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	19	1.41
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	7	1.41
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	7	1.41
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	7	1.41
(1,980)	1:10:A:LEU:HD21	1:18:A:LYS:H	19	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:10:A:LEU:HD22	1:18:A:LYS:H	19	1.41
(1,980)	1:10:A:LEU:HD23	1:18:A:LYS:H	19	1.41
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	3	1.41
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	3	1.41
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	3	1.41
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	13	1.41
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	13	1.41
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	13	1.41
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	13	1.41
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	13	1.41
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	13	1.41
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	13	1.41
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	13	1.41
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	13	1.41
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	20	1.41
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	11	1.41
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	11	1.41
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	11	1.41
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	11	1.41
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	11	1.41
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	11	1.41
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	11	1.41
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	11	1.41
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	11	1.41
(1,636)	1:146:A:ARG:HG3	1:149:A:ARG:HA	10	1.41
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	6	1.41
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	18	1.41
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	5	1.41
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	5	1.41
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	5	1.41
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	14	1.4
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	14	1.4
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	14	1.4
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	13	1.4
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	13	1.4
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	13	1.4
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	18	1.4
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	18	1.4
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	18	1.4
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	4	1.4
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	20	1.4
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	20	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	20	1.4
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	9	1.4
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	9	1.4
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	9	1.4
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	3	1.4
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	3	1.4
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	3	1.4
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	16	1.4
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	16	1.4
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	16	1.4
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	7	1.4
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	7	1.4
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	7	1.4
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	11	1.4
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	11	1.4
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	11	1.4
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	7	1.4
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	7	1.4
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	7	1.4
(1,623)	1:54:A:LEU:HD11	1:125:A:LEU:HG	16	1.4
(1,623)	1:54:A:LEU:HD12	1:125:A:LEU:HG	16	1.4
(1,623)	1:54:A:LEU:HD13	1:125:A:LEU:HG	16	1.4
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	17	1.4
(1,371)	1:110:A:VAL:HG11	1:112:A:CYS:HB3	16	1.4
(1,371)	1:110:A:VAL:HG12	1:112:A:CYS:HB3	16	1.4
(1,371)	1:110:A:VAL:HG13	1:112:A:CYS:HB3	16	1.4
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	3	1.4
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	15	1.4
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	7	1.4
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	7	1.4
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	7	1.4
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	9	1.39
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	3	1.39
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	7	1.39
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	7	1.39
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	7	1.39
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	7	1.39
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	7	1.39
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	7	1.39
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	18	1.39
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	18	1.39
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	13	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	13	1.39
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	13	1.39
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	14	1.39
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	14	1.39
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	14	1.39
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	15	1.39
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	15	1.39
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	15	1.39
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	15	1.39
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	15	1.39
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	15	1.39
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	15	1.39
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	15	1.39
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	15	1.39
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	3	1.39
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	3	1.39
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	3	1.39
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	5	1.39
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	5	1.39
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	5	1.39
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	8	1.39
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	8	1.39
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	12	1.39
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	12	1.39
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	12	1.39
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD11	15	1.39
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD12	15	1.39
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD13	15	1.39
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	5	1.39
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	14	1.39
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	10	1.39
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	16	1.39
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	15	1.38
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	20	1.38
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	20	1.38
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	20	1.38
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	20	1.38
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	20	1.38
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	20	1.38
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	1	1.38
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	1	1.38
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	1	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	1	1.38
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	1	1.38
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	1	1.38
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	13	1.38
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	13	1.38
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	8	1.38
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	7	1.38
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	19	1.38
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	19	1.38
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	19	1.38
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	4	1.38
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	4	1.38
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	4	1.38
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	18	1.38
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	18	1.38
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	18	1.38
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	18	1.38
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	18	1.38
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	18	1.38
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	5	1.38
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	5	1.38
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	5	1.38
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	12	1.38
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	12	1.38
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	12	1.38
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	12	1.38
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	12	1.38
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	12	1.38
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	20	1.38
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	20	1.38
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	20	1.38
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	13	1.38
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	13	1.38
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	13	1.38
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	13	1.38
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	13	1.38
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	13	1.38
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	13	1.38
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	13	1.38
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	13	1.38
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	2	1.38
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	2	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	2	1.38
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	7	1.38
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	9	1.38
(1,129)	1:56:A:LEU:HD21	1:59:A:LYS:HE2	17	1.38
(1,129)	1:56:A:LEU:HD22	1:59:A:LYS:HE2	17	1.38
(1,129)	1:56:A:LEU:HD23	1:59:A:LYS:HE2	17	1.38
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	3	1.38
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	3	1.38
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	3	1.38
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	8	1.37
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	8	1.37
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	8	1.37
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	8	1.37
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	8	1.37
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	8	1.37
(1,2042)	1:54:A:LEU:HD21	1:124:A:TRP:HZ3	5	1.37
(1,2042)	1:54:A:LEU:HD22	1:124:A:TRP:HZ3	5	1.37
(1,2042)	1:54:A:LEU:HD23	1:124:A:TRP:HZ3	5	1.37
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	4	1.37
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	2	1.37
(1,1194)	1:43:A:VAL:HG21	1:129:A:TYR:HB2	7	1.37
(1,1194)	1:43:A:VAL:HG22	1:129:A:TYR:HB2	7	1.37
(1,1194)	1:43:A:VAL:HG23	1:129:A:TYR:HB2	7	1.37
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	8	1.37
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	8	1.37
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	8	1.37
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	17	1.37
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	17	1.37
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	17	1.37
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	8	1.37
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	8	1.37
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	8	1.37
(1,1144)	1:126:A:PHE:HB3	1:127:A:LEU:HD21	7	1.37
(1,1144)	1:126:A:PHE:HB3	1:127:A:LEU:HD22	7	1.37
(1,1144)	1:126:A:PHE:HB3	1:127:A:LEU:HD23	7	1.37
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	18	1.37
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	18	1.37
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	18	1.37
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	17	1.37
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	17	1.37
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	17	1.37
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	18	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	18	1.37
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	18	1.37
(1,880)	1:27:A:LEU:HD21	1:71:A:ASP:HB2	11	1.37
(1,880)	1:27:A:LEU:HD22	1:71:A:ASP:HB2	11	1.37
(1,880)	1:27:A:LEU:HD23	1:71:A:ASP:HB2	11	1.37
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	12	1.37
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	12	1.37
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	12	1.37
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	5	1.37
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	5	1.37
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	5	1.37
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	6	1.37
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	6	1.37
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	6	1.37
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	1	1.37
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	1	1.37
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	1	1.37
(1,636)	1:146:A:ARG:HG3	1:149:A:ARG:HA	18	1.37
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG11	15	1.37
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG12	15	1.37
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG13	15	1.37
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	10	1.37
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	14	1.36
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	18	1.36
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	4	1.36
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	4	1.36
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	4	1.36
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	5	1.36
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	5	1.36
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	5	1.36
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	16	1.36
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	16	1.36
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	16	1.36
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	1	1.36
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	1	1.36
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	1	1.36
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	1	1.36
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	1	1.36
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	1	1.36
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	1	1.36
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	1	1.36
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	1	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:10:A:LEU:HD21	1:20:A:MET:HG3	19	1.36
(1,439)	1:10:A:LEU:HD22	1:20:A:MET:HG3	19	1.36
(1,439)	1:10:A:LEU:HD23	1:20:A:MET:HG3	19	1.36
(1,412)	1:83:A:ASP:HB3	1:87:A:MET:HB3	10	1.36
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	6	1.36
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	11	1.36
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	12	1.36
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	12	1.36
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	12	1.36
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	1	1.35
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	19	1.35
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	2	1.35
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	2	1.35
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	2	1.35
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	7	1.35
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	7	1.35
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	7	1.35
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	1	1.35
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	1	1.35
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	1	1.35
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	12	1.35
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	12	1.35
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	12	1.35
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	18	1.35
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	18	1.35
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	18	1.35
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	16	1.35
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	16	1.35
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	16	1.35
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	7	1.35
(1,880)	1:27:A:LEU:HD21	1:71:A:ASP:HB2	20	1.35
(1,880)	1:27:A:LEU:HD22	1:71:A:ASP:HB2	20	1.35
(1,880)	1:27:A:LEU:HD23	1:71:A:ASP:HB2	20	1.35
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	6	1.35
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	6	1.35
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	6	1.35
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	6	1.35
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	6	1.35
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	6	1.35
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	6	1.35
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	6	1.35
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	6	1.35
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	6	1.35
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	6	1.35
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	9	1.35
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	9	1.35
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	9	1.35
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	9	1.35
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	9	1.35
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	9	1.35
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	9	1.35
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	9	1.35
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	9	1.35
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	18	1.35
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	18	1.35
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	18	1.35
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	14	1.35
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	14	1.35
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	14	1.35
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	16	1.35
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	9	1.35
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	10	1.35
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	4	1.34
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	4	1.34
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	4	1.34
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD11	19	1.34
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD12	19	1.34
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD13	19	1.34
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	1	1.34
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	1	1.34
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	1	1.34
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	2	1.34
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	2	1.34
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	2	1.34
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	2	1.34
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	2	1.34
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	2	1.34
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	2	1.34
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	2	1.34
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	2	1.34
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	3	1.34
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	3	1.34
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	3	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	20	1.34
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	20	1.34
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	20	1.34
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	20	1.34
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	20	1.34
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	20	1.34
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	20	1.34
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	20	1.34
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	20	1.34
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	6	1.34
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	6	1.34
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	6	1.34
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	19	1.34
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	19	1.34
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	16	1.34
(1,2768)	1:35:A:CYS:HB2	1:64:A:THR:H	17	1.33
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	2	1.33
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	12	1.33
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	12	1.33
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	12	1.33
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	2	1.33
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	2	1.33
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	7	1.33
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	7	1.33
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	7	1.33
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	7	1.33
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	7	1.33
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	7	1.33
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	2	1.33
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	2	1.33
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	2	1.33
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	2	1.33
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	2	1.33
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	2	1.33
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	2	1.33
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	2	1.33
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	2	1.33
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	8	1.33
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	3	1.33
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	3	1.33
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	3	1.33
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	2	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	2	1.33
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	2	1.33
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG21	20	1.33
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG22	20	1.33
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG23	20	1.33
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG21	20	1.33
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG22	20	1.33
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG23	20	1.33
(1,983)	1:10:A:LEU:HD21	1:19:A:VAL:H	19	1.33
(1,983)	1:10:A:LEU:HD22	1:19:A:VAL:H	19	1.33
(1,983)	1:10:A:LEU:HD23	1:19:A:VAL:H	19	1.33
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	14	1.33
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	14	1.33
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	14	1.33
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	16	1.33
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	16	1.33
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	16	1.33
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	16	1.33
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	16	1.33
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	16	1.33
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	16	1.33
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	16	1.33
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	16	1.33
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	10	1.33
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	10	1.33
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	10	1.33
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	10	1.33
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	10	1.33
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	10	1.33
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	10	1.33
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	10	1.33
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	10	1.33
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	10	1.33
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	10	1.33
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	10	1.33
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	6	1.33
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	6	1.33
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	6	1.33
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	6	1.33
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	6	1.33
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	6	1.33
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	6	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	6	1.33
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	6	1.33
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	9	1.33
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	9	1.33
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	9	1.33
(1,2521)	1:11:A:LYS:HG3	1:66:A:GLU:H	13	1.32
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	9	1.32
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	1	1.32
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	6	1.32
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	2	1.32
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	10	1.32
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	10	1.32
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	10	1.32
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	17	1.32
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	17	1.32
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	2	1.32
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	2	1.32
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	2	1.32
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	2	1.32
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	2	1.32
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	2	1.32
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	3	1.32
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	13	1.32
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	13	1.32
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	13	1.32
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	13	1.32
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	13	1.32
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	13	1.32
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	13	1.32
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	13	1.32
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	13	1.32
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	17	1.32
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	17	1.32
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	17	1.32
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	5	1.32
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	15	1.32
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	15	1.32
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	15	1.32
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	10	1.32
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	10	1.32
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	10	1.32
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	2	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	2	1.32
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	2	1.32
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	10	1.32
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	10	1.32
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	10	1.32
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	8	1.32
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	16	1.32
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	15	1.32
(1,172)	1:54:A:LEU:HD11	1:125:A:LEU:HB3	20	1.32
(1,172)	1:54:A:LEU:HD12	1:125:A:LEU:HB3	20	1.32
(1,172)	1:54:A:LEU:HD13	1:125:A:LEU:HB3	20	1.32
(1,45)	1:137:A:GLY:HA2	1:139:A:HIS:HD2	20	1.32
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	3	1.31
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	10	1.31
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	10	1.31
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	10	1.31
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	18	1.31
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD1	19	1.31
(1,1941)	1:43:A:VAL:HG21	1:129:A:TYR:HD2	19	1.31
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD1	19	1.31
(1,1941)	1:43:A:VAL:HG22	1:129:A:TYR:HD2	19	1.31
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD1	19	1.31
(1,1941)	1:43:A:VAL:HG23	1:129:A:TYR:HD2	19	1.31
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	16	1.31
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	16	1.31
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	1	1.31
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	15	1.31
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	16	1.31
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	10	1.31
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	10	1.31
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	10	1.31
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	10	1.31
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	10	1.31
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	10	1.31
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	10	1.31
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	10	1.31
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	10	1.31
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	18	1.31
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	20	1.31
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	20	1.31
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	20	1.31
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	16	1.31
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	16	1.31
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	18	1.31
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	18	1.31
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	18	1.31
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	4	1.31
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	4	1.31
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	4	1.31
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	4	1.31
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	4	1.31
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	4	1.31
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	20	1.31
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	20	1.31
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	20	1.31
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	14	1.31
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	14	1.31
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	14	1.31
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	1	1.31
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	1	1.31
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	1	1.31
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	20	1.31
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	20	1.31
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	20	1.31
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	12	1.31
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	12	1.31
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	12	1.31
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	14	1.31
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	14	1.31
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	14	1.31
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	18	1.31
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	18	1.31
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	18	1.31
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	4	1.31
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	18	1.31
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	18	1.31
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	18	1.31
(1,412)	1:83:A:ASP:HB3	1:87:A:MET:HB3	18	1.31
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	2	1.31
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	17	1.31
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	17	1.31
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	17	1.31
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	5	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	17	1.3
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	17	1.3
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	17	1.3
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	3	1.3
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	3	1.3
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG11	15	1.3
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG12	15	1.3
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG13	15	1.3
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG11	17	1.3
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG12	17	1.3
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG13	17	1.3
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	17	1.3
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	8	1.3
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	17	1.3
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG21	14	1.3
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG22	14	1.3
(1,1045)	1:39:A:SER:HA	1:63:A:VAL:HG23	14	1.3
(1,983)	1:10:A:LEU:HD21	1:19:A:VAL:H	1	1.3
(1,983)	1:10:A:LEU:HD22	1:19:A:VAL:H	1	1.3
(1,983)	1:10:A:LEU:HD23	1:19:A:VAL:H	1	1.3
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	6	1.3
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	6	1.3
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	6	1.3
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	17	1.3
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	17	1.3
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	17	1.3
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	20	1.3
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	20	1.3
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	20	1.3
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD11	3	1.3
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD12	3	1.3
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD13	3	1.3
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	1	1.3
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	1	1.3
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	1	1.3
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	12	1.3
(1,356)	1:94:A:GLN:HA	1:111:A:GLN:HG2	4	1.3
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	17	1.3
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	5	1.3
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	8	1.3
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	15	1.3
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	15	1.3
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	20	1.29
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	20	1.29
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	20	1.29
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	16	1.29
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	5	1.29
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	5	1.29
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	5	1.29
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	6	1.29
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	6	1.29
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	6	1.29
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	15	1.29
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	15	1.29
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	15	1.29
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	18	1.29
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	18	1.29
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	18	1.29
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	14	1.29
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	5	1.29
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	5	1.29
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	15	1.29
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	15	1.29
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG11	6	1.29
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG12	6	1.29
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG13	6	1.29
(1,1767)	1:54:A:LEU:HD21	1:120:A:TYR:HA	20	1.29
(1,1767)	1:54:A:LEU:HD22	1:120:A:TYR:HA	20	1.29
(1,1767)	1:54:A:LEU:HD23	1:120:A:TYR:HA	20	1.29
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	7	1.29
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	9	1.29
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	18	1.29
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	3	1.29
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	3	1.29
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	3	1.29
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG11	8	1.29
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG12	8	1.29
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG13	8	1.29
(1,1231)	1:95:A:VAL:HG11	1:96:A:GLN:HB2	17	1.29
(1,1231)	1:95:A:VAL:HG12	1:96:A:GLN:HB2	17	1.29
(1,1231)	1:95:A:VAL:HG13	1:96:A:GLN:HB2	17	1.29
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	4	1.29
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	4	1.29
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	13	1.29
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	13	1.29
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	13	1.29
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	9	1.29
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	9	1.29
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	9	1.29
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	9	1.29
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	9	1.29
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	9	1.29
(1,799)	1:10:A:LEU:HD21	1:19:A:VAL:HA	12	1.29
(1,799)	1:10:A:LEU:HD22	1:19:A:VAL:HA	12	1.29
(1,799)	1:10:A:LEU:HD23	1:19:A:VAL:HA	12	1.29
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	6	1.29
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	6	1.29
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	6	1.29
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	5	1.29
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	5	1.29
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	5	1.29
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	19	1.29
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	19	1.29
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	19	1.29
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	19	1.29
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	19	1.29
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	19	1.29
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	1	1.29
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	4	1.29
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	13	1.29
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG11	18	1.28
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG12	18	1.28
(1,1987)	1:5:A:PHE:HZ	1:95:A:VAL:HG13	18	1.28
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	3	1.28
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	3	1.28
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	6	1.28
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	6	1.28
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	4	1.28
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	20	1.28
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	11	1.28
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	11	1.28
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	11	1.28
(1,1234)	1:95:A:VAL:HG21	1:112:A:CYS:H	17	1.28
(1,1234)	1:95:A:VAL:HG22	1:112:A:CYS:H	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:95:A:VAL:HG23	1:112:A:CYS:H	17	1.28
(1,1231)	1:95:A:VAL:HG11	1:96:A:GLN:HB2	18	1.28
(1,1231)	1:95:A:VAL:HG12	1:96:A:GLN:HB2	18	1.28
(1,1231)	1:95:A:VAL:HG13	1:96:A:GLN:HB2	18	1.28
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	9	1.28
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	9	1.28
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	9	1.28
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	4	1.28
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	4	1.28
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	4	1.28
(1,981)	1:10:A:LEU:HD21	1:17:A:HIS:H	15	1.28
(1,981)	1:10:A:LEU:HD22	1:17:A:HIS:H	15	1.28
(1,981)	1:10:A:LEU:HD23	1:17:A:HIS:H	15	1.28
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	1	1.28
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	1	1.28
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	1	1.28
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	11	1.28
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	11	1.28
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	11	1.28
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	11	1.28
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	11	1.28
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	11	1.28
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	11	1.28
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	11	1.28
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	11	1.28
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	9	1.28
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	9	1.28
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	9	1.28
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	20	1.28
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	20	1.28
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	20	1.28
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	6	1.28
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	6	1.28
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	11	1.28
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG11	17	1.28
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG12	17	1.28
(1,499)	1:35:A:CYS:HB2	1:95:A:VAL:HG13	17	1.28
(1,178)	1:8:A:GLY:HA2	1:133:A:TYR:HB2	13	1.28
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	15	1.27
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	9	1.27
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	9	1.27
(1,1847)	1:145:A:PRO:HD2	1:147:A:GLU:HG3	15	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	13	1.27
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	14	1.27
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	19	1.27
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	2	1.27
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	2	1.27
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	2	1.27
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	3	1.27
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	3	1.27
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	3	1.27
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	3	1.27
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	3	1.27
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	3	1.27
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	3	1.27
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	3	1.27
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	3	1.27
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG11	6	1.27
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG12	6	1.27
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG13	6	1.27
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	2	1.27
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	2	1.27
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	2	1.27
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	4	1.27
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	4	1.27
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	4	1.27
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	13	1.27
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	13	1.27
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	13	1.27
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD21	7	1.27
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD22	7	1.27
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD23	7	1.27
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	6	1.27
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	6	1.27
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	6	1.27
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	18	1.27
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	13	1.27
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	14	1.27
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	2	1.27
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	2	1.27
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	2	1.27
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	17	1.26
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	17	1.26
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	17	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2768)	1:35:A:CYS:HB2	1:64:A:THR:H	15	1.26
(1,2436)	1:63:A:VAL:HG11	1:133:A:TYR:H	20	1.26
(1,2436)	1:63:A:VAL:HG12	1:133:A:TYR:H	20	1.26
(1,2436)	1:63:A:VAL:HG13	1:133:A:TYR:H	20	1.26
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	3	1.26
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	14	1.26
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	2	1.26
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	3	1.26
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	5	1.26
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	4	1.26
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	4	1.26
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	4	1.26
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	4	1.26
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	4	1.26
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	4	1.26
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	4	1.26
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	4	1.26
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	4	1.26
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	14	1.26
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	14	1.26
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	14	1.26
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	17	1.26
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	17	1.26
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	17	1.26
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	3	1.26
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	3	1.26
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	3	1.26
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	3	1.26
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	3	1.26
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	3	1.26
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	3	1.26
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	3	1.26
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	3	1.26
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	17	1.26
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	17	1.26
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	17	1.26
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	18	1.26
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	18	1.26
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	18	1.26
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	18	1.26
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	18	1.26
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	18	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	18	1.26
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	18	1.26
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	18	1.26
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	19	1.26
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	19	1.26
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	19	1.26
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	5	1.26
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	5	1.26
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	5	1.26
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	5	1.26
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	5	1.26
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	5	1.26
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	5	1.26
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	5	1.26
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	18	1.26
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	18	1.26
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	18	1.26
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	10	1.26
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	10	1.26
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	10	1.26
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	10	1.26
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	10	1.26
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	10	1.26
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	13	1.26
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	3	1.26
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	18	1.26
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	10	1.26
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	11	1.26
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	11	1.26
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	11	1.26
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	5	1.26
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	5	1.26
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	5	1.26
(1,58)	1:100:A:TRP:HD1	1:102:A:GLY:HA2	3	1.26
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	16	1.25
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	17	1.25
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG11	18	1.25
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG12	18	1.25
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG13	18	1.25
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	4	1.25
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	13	1.25
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	13	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	14	1.25
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	14	1.25
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	14	1.25
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	14	1.25
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	14	1.25
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	14	1.25
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	14	1.25
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	14	1.25
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	14	1.25
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	12	1.25
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG11	18	1.25
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG12	18	1.25
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG13	18	1.25
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG11	15	1.25
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG12	15	1.25
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG13	15	1.25
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	2	1.25
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	2	1.25
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	2	1.25
(1,952)	1:97:A:VAL:HG11	1:101:A:GLU:H	19	1.25
(1,952)	1:97:A:VAL:HG12	1:101:A:GLU:H	19	1.25
(1,952)	1:97:A:VAL:HG13	1:101:A:GLU:H	19	1.25
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	16	1.25
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	12	1.25
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	12	1.25
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	12	1.25
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	12	1.25
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	12	1.25
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	12	1.25
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	12	1.25
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	12	1.25
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	12	1.25
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	4	1.25
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	4	1.25
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	4	1.25
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	17	1.25
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	17	1.25
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	17	1.25
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	6	1.25
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	8	1.25
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	13	1.25
(1,271)	1:38:A:GLU:HG2	1:58:A:GLY:H	16	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	1	1.25
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	15	1.25
(1,86)	1:146:A:ARG:HE	1:149:A:ARG:HD2	20	1.25
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	4	1.25
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	2	1.24
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	2	1.24
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	2	1.24
(1,2084)	1:3:A:HIS:HD2	1:31:A:ARG:HG2	7	1.24
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	9	1.24
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	9	1.24
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	11	1.24
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	14	1.24
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	5	1.24
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	5	1.24
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	5	1.24
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	13	1.24
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	13	1.24
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	13	1.24
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	11	1.24
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	11	1.24
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	11	1.24
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	20	1.24
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	20	1.24
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	20	1.24
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	7	1.24
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	7	1.24
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	7	1.24
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	15	1.24
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	15	1.24
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	15	1.24
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	17	1.24
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	17	1.24
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	17	1.24
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG21	14	1.24
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG22	14	1.24
(1,1042)	1:40:A:PHE:HD1	1:63:A:VAL:HG23	14	1.24
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG21	14	1.24
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG22	14	1.24
(1,1042)	1:40:A:PHE:HD2	1:63:A:VAL:HG23	14	1.24
(1,989)	1:10:A:LEU:HD21	1:20:A:MET:HG2	12	1.24
(1,989)	1:10:A:LEU:HD22	1:20:A:MET:HG2	12	1.24
(1,989)	1:10:A:LEU:HD23	1:20:A:MET:HG2	12	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:10:A:LEU:HD21	1:20:A:MET:HA	16	1.24
(1,988)	1:10:A:LEU:HD22	1:20:A:MET:HA	16	1.24
(1,988)	1:10:A:LEU:HD23	1:20:A:MET:HA	16	1.24
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	10	1.24
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	10	1.24
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	10	1.24
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	10	1.24
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	10	1.24
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	10	1.24
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	10	1.24
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	10	1.24
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	10	1.24
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	4	1.24
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	4	1.24
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	4	1.24
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	16	1.24
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	16	1.24
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	16	1.24
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	1	1.24
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	1	1.24
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	1	1.24
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	15	1.24
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	6	1.24
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	6	1.24
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	6	1.24
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	9	1.23
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	17	1.23
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	15	1.23
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	15	1.23
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	20	1.23
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	20	1.23
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	4	1.23
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	4	1.23
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	4	1.23
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	4	1.23
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	4	1.23
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	4	1.23
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	10	1.23
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	10	1.23
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	10	1.23
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	9	1.23
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	9	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	9	1.23
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	16	1.23
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	16	1.23
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	16	1.23
(1,987)	1:10:A:LEU:HD21	1:16:A:ASN:HA	15	1.23
(1,987)	1:10:A:LEU:HD22	1:16:A:ASN:HA	15	1.23
(1,987)	1:10:A:LEU:HD23	1:16:A:ASN:HA	15	1.23
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	12	1.23
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	12	1.23
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	12	1.23
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	16	1.23
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	16	1.23
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	16	1.23
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	8	1.23
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	8	1.23
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	8	1.23
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	8	1.23
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	8	1.23
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	8	1.23
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	9	1.23
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	9	1.23
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	9	1.23
(1,812)	1:75:A:LEU:HD11	1:78:A:LEU:HB2	14	1.23
(1,812)	1:75:A:LEU:HD12	1:78:A:LEU:HB2	14	1.23
(1,812)	1:75:A:LEU:HD13	1:78:A:LEU:HB2	14	1.23
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	9	1.23
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	9	1.23
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	9	1.23
(1,412)	1:83:A:ASP:HB3	1:87:A:MET:HB3	12	1.23
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	2	1.23
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	17	1.23
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	2	1.22
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	2	1.22
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	2	1.22
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	4	1.22
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG21	17	1.22
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG22	17	1.22
(1,2407)	1:93:A:LEU:H	1:95:A:VAL:HG23	17	1.22
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD21	18	1.22
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD22	18	1.22
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD23	18	1.22
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	3	1.22
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	3	1.22
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	6	1.22
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	6	1.22
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	6	1.22
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG11	10	1.22
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG12	10	1.22
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG13	10	1.22
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG11	10	1.22
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG12	10	1.22
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG13	10	1.22
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG11	10	1.22
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG12	10	1.22
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG13	10	1.22
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG11	6	1.22
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG12	6	1.22
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG13	6	1.22
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	20	1.22
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	20	1.22
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	20	1.22
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	15	1.22
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	15	1.22
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	15	1.22
(1,988)	1:10:A:LEU:HD21	1:20:A:MET:HA	19	1.22
(1,988)	1:10:A:LEU:HD22	1:20:A:MET:HA	19	1.22
(1,988)	1:10:A:LEU:HD23	1:20:A:MET:HA	19	1.22
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	8	1.22
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	8	1.22
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	8	1.22
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	17	1.22
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	17	1.22
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	17	1.22
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	17	1.22
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	17	1.22
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	17	1.22
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	17	1.22
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	17	1.22
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	17	1.22
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	10	1.22
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	10	1.22
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	10	1.22
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	14	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	14	1.22
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	14	1.22
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	13	1.22
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	9	1.21
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	9	1.21
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	9	1.21
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	4	1.21
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	4	1.21
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	4	1.21
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	7	1.21
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	7	1.21
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	7	1.21
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	3	1.21
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	6	1.21
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	6	1.21
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	6	1.21
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	6	1.21
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	6	1.21
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	6	1.21
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	6	1.21
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	6	1.21
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	6	1.21
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	9	1.21
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	9	1.21
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	9	1.21
(1,1172)	1:62:A:CYS:HA	1:131:A:GLU:HG2	17	1.21
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	9	1.21
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	9	1.21
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	9	1.21
(1,988)	1:10:A:LEU:HD21	1:20:A:MET:HA	15	1.21
(1,988)	1:10:A:LEU:HD22	1:20:A:MET:HA	15	1.21
(1,988)	1:10:A:LEU:HD23	1:20:A:MET:HA	15	1.21
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	8	1.21
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	8	1.21
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	8	1.21
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	8	1.21
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	8	1.21
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	8	1.21
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	2	1.21
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	2	1.21
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	2	1.21
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD11	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD12	13	1.21
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD13	13	1.21
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD11	13	1.21
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD12	13	1.21
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD13	13	1.21
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	16	1.21
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	16	1.21
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	16	1.21
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	14	1.21
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	14	1.21
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	14	1.21
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	6	1.21
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD11	19	1.21
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD12	19	1.21
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD13	19	1.21
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	14	1.21
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	18	1.2
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	18	1.2
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	18	1.2
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	18	1.2
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	18	1.2
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	18	1.2
(1,1767)	1:54:A:LEU:HD21	1:120:A:TYR:HA	16	1.2
(1,1767)	1:54:A:LEU:HD22	1:120:A:TYR:HA	16	1.2
(1,1767)	1:54:A:LEU:HD23	1:120:A:TYR:HA	16	1.2
(1,1364)	1:73:A:GLN:HA	1:76:A:ARG:HD2	3	1.2
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG11	10	1.2
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG12	10	1.2
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG13	10	1.2
(1,1234)	1:95:A:VAL:HG21	1:112:A:CYS:H	15	1.2
(1,1234)	1:95:A:VAL:HG22	1:112:A:CYS:H	15	1.2
(1,1234)	1:95:A:VAL:HG23	1:112:A:CYS:H	15	1.2
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	5	1.2
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	5	1.2
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	5	1.2
(1,1076)	1:78:A:LEU:HD21	1:81:A:PHE:H	7	1.2
(1,1076)	1:78:A:LEU:HD22	1:81:A:PHE:H	7	1.2
(1,1076)	1:78:A:LEU:HD23	1:81:A:PHE:H	7	1.2
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	14	1.2
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	14	1.2
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	14	1.2
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	18	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	18	1.2
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	18	1.2
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	3	1.2
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	3	1.2
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	3	1.2
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	3	1.2
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	3	1.2
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	3	1.2
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	3	1.2
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	3	1.2
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	3	1.2
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD11	7	1.2
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD12	7	1.2
(1,786)	1:122:A:PRO:HB3	1:125:A:LEU:HD13	7	1.2
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	16	1.2
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	16	1.2
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	16	1.2
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	16	1.2
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	16	1.2
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	16	1.2
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	16	1.2
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	16	1.2
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	16	1.2
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	20	1.2
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	5	1.2
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	5	1.2
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	5	1.2
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	20	1.19
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	19	1.19
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	19	1.19
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	19	1.19
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	19	1.19
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	19	1.19
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	19	1.19
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	19	1.19
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	19	1.19
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	19	1.19
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	19	1.19
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	19	1.19
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	19	1.19
(1,1364)	1:73:A:GLN:HA	1:76:A:ARG:HD2	12	1.19
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	12	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	12	1.19
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	12	1.19
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	16	1.19
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	16	1.19
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	16	1.19
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	17	1.19
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	3	1.19
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	3	1.19
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	3	1.19
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	17	1.19
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	17	1.19
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	17	1.19
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	8	1.19
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	8	1.19
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	8	1.19
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	9	1.19
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	9	1.19
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	9	1.19
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	1	1.19
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	1	1.19
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	1	1.19
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	12	1.19
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	16	1.19
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	16	1.19
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	16	1.19
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	8	1.19
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	8	1.19
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	8	1.19
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	5	1.19
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	5	1.19
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	5	1.19
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	5	1.19
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	5	1.19
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	5	1.19
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	5	1.19
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	5	1.19
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	5	1.19
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	9	1.19
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	20	1.19
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	20	1.19
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	20	1.19
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	10	1.19
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	3	1.19
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	17	1.19
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	17	1.19
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	17	1.19
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	15	1.18
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	15	1.18
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	15	1.18
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	5	1.18
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	17	1.18
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	17	1.18
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	17	1.18
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	16	1.18
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	16	1.18
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	14	1.18
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	14	1.18
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	14	1.18
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	14	1.18
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	14	1.18
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	14	1.18
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	17	1.18
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	17	1.18
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	7	1.18
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	7	1.18
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	7	1.18
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD11	1	1.18
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD12	1	1.18
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD13	1	1.18
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	8	1.18
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	8	1.18
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	8	1.18
(1,1231)	1:95:A:VAL:HG11	1:96:A:GLN:HB2	6	1.18
(1,1231)	1:95:A:VAL:HG12	1:96:A:GLN:HB2	6	1.18
(1,1231)	1:95:A:VAL:HG13	1:96:A:GLN:HB2	6	1.18
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	5	1.18
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	5	1.18
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	5	1.18
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	11	1.18
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	11	1.18
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	11	1.18
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	1	1.18
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	1	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	1	1.18
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	2	1.18
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	2	1.18
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	2	1.18
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD21	19	1.18
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD22	19	1.18
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD23	19	1.18
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	14	1.18
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	14	1.18
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	14	1.18
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	14	1.18
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	14	1.18
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	14	1.18
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	3	1.18
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	3	1.18
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	3	1.18
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	20	1.18
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	20	1.18
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	20	1.18
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	4	1.18
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	3	1.18
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	11	1.18
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	20	1.18
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	13	1.18
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	13	1.18
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	13	1.18
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	3	1.18
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	8	1.18
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	5	1.17
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	5	1.17
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	5	1.17
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	7	1.17
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	7	1.17
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	7	1.17
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	7	1.17
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	7	1.17
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	7	1.17
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	7	1.17
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	10	1.17
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	17	1.17
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	6	1.17
(1,1234)	1:95:A:VAL:HG21	1:112:A:CYS:H	6	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:95:A:VAL:HG22	1:112:A:CYS:H	6	1.17
(1,1234)	1:95:A:VAL:HG23	1:112:A:CYS:H	6	1.17
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	4	1.17
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD21	12	1.17
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD22	12	1.17
(1,849)	1:72:A:GLU:HG2	1:75:A:LEU:HD23	12	1.17
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	19	1.17
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	19	1.17
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	19	1.17
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	5	1.17
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	5	1.17
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	5	1.17
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	16	1.17
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	16	1.17
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	16	1.17
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	7	1.17
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	13	1.17
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	19	1.16
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	8	1.16
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	8	1.16
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	8	1.16
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	2	1.16
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	10	1.16
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	10	1.16
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	15	1.16
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	15	1.16
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	15	1.16
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	1	1.16
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	1	1.16
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	1	1.16
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	1	1.16
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	10	1.16
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	10	1.16
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	10	1.16
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	9	1.16
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	9	1.16
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	9	1.16
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	19	1.16
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	19	1.16
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	19	1.16
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	16	1.16
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	16	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	16	1.16
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	16	1.16
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	16	1.16
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	16	1.16
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	4	1.16
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	10	1.16
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	18	1.16
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	16	1.16
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	16	1.16
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	16	1.16
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	10	1.15
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	10	1.15
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	10	1.15
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	20	1.15
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	20	1.15
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	16	1.15
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	7	1.15
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	7	1.15
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	7	1.15
(1,989)	1:10:A:LEU:HD21	1:20:A:MET:HG2	15	1.15
(1,989)	1:10:A:LEU:HD22	1:20:A:MET:HG2	15	1.15
(1,989)	1:10:A:LEU:HD23	1:20:A:MET:HG2	15	1.15
(1,988)	1:10:A:LEU:HD21	1:20:A:MET:HA	12	1.15
(1,988)	1:10:A:LEU:HD22	1:20:A:MET:HA	12	1.15
(1,988)	1:10:A:LEU:HD23	1:20:A:MET:HA	12	1.15
(1,969)	1:54:A:LEU:HD21	1:120:A:TYR:H	20	1.15
(1,969)	1:54:A:LEU:HD22	1:120:A:TYR:H	20	1.15
(1,969)	1:54:A:LEU:HD23	1:120:A:TYR:H	20	1.15
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	5	1.15
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	5	1.15
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	5	1.15
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	9	1.15
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	14	1.15
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	14	1.15
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	14	1.15
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	16	1.15
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	16	1.15
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	16	1.15
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	4	1.15
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	4	1.15
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	4	1.15
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	6	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:83:A:ASP:HB3	1:87:A:MET:HB3	19	1.15
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	20	1.15
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	2	1.15
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	2	1.15
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	4	1.15
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	3	1.14
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	3	1.14
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	3	1.14
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	16	1.14
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	10	1.14
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	10	1.14
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	10	1.14
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD21	5	1.14
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD22	5	1.14
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD23	5	1.14
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD11	7	1.14
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD12	7	1.14
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD13	7	1.14
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	7	1.14
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	7	1.14
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	9	1.14
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	9	1.14
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	12	1.14
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	12	1.14
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	12	1.14
(1,1847)	1:145:A:PRO:HD2	1:147:A:GLU:HG3	18	1.14
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	1	1.14
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	1	1.14
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	1	1.14
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	14	1.14
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	14	1.14
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	14	1.14
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	17	1.14
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	17	1.14
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	17	1.14
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	5	1.14
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	5	1.14
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	5	1.14
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	17	1.14
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	17	1.14
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	17	1.14
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	17	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	17	1.14
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	17	1.14
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	9	1.14
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	9	1.14
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	9	1.14
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	14	1.14
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	14	1.14
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	14	1.14
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	10	1.14
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	10	1.14
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	10	1.14
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	15	1.14
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	15	1.14
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	20	1.14
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	12	1.14
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	18	1.14
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	9	1.14
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	5	1.14
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	2	1.13
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	2	1.13
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	2	1.13
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	6	1.13
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD21	9	1.13
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD22	9	1.13
(1,1362)	1:72:A:GLU:HA	1:75:A:LEU:HD23	9	1.13
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG11	15	1.13
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG12	15	1.13
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG13	15	1.13
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG11	18	1.13
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG12	18	1.13
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG13	18	1.13
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	6	1.13
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	6	1.13
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	6	1.13
(1,1149)	1:97:A:VAL:HG21	1:109:A:SER:HA	12	1.13
(1,1149)	1:97:A:VAL:HG22	1:109:A:SER:HA	12	1.13
(1,1149)	1:97:A:VAL:HG23	1:109:A:SER:HA	12	1.13
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	17	1.13
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	17	1.13
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	17	1.13
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	7	1.13
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	7	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	7	1.13
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	7	1.13
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	7	1.13
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	7	1.13
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	13	1.13
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	13	1.13
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	13	1.13
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	13	1.13
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	13	1.13
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	13	1.13
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	13	1.13
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	13	1.13
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	13	1.13
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	9	1.13
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	9	1.13
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	9	1.13
(1,826)	1:54:A:LEU:HD11	1:125:A:LEU:HA	13	1.13
(1,826)	1:54:A:LEU:HD12	1:125:A:LEU:HA	13	1.13
(1,826)	1:54:A:LEU:HD13	1:125:A:LEU:HA	13	1.13
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	4	1.13
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	4	1.13
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	4	1.13
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	3	1.13
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	3	1.13
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	3	1.13
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	4	1.13
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	15	1.13
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	1	1.13
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	7	1.13
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	18	1.12
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	13	1.12
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	13	1.12
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	13	1.12
(1,2928)	1:96:A:GLN:HE21	1:108:A:ASP:HB2	4	1.12
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	15	1.12
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	13	1.12
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	1	1.12
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	1	1.12
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	1	1.12
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	17	1.12
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	14	1.12
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD11	17	1.12
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD12	17	1.12
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD13	17	1.12
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	2	1.12
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	2	1.12
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	2	1.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	18	1.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	18	1.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	18	1.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	18	1.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	18	1.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	18	1.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	18	1.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	18	1.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	18	1.12
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	14	1.12
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	14	1.12
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	14	1.12
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	20	1.12
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	20	1.12
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	20	1.12
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	15	1.12
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	15	1.12
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	15	1.12
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	16	1.12
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	16	1.12
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	16	1.12
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	5	1.12
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	5	1.12
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	9	1.12
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	5	1.12
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	5	1.12
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	5	1.12
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	5	1.12
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	5	1.12
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	5	1.12
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	19	1.12
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	1	1.12
(1,147)	1:16:A:ASN:HA	1:18:A:LYS:HE2	11	1.12
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	16	1.12
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	16	1.12
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	16	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	16	1.12
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG11	15	1.11
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG12	15	1.11
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG13	15	1.11
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	5	1.11
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	19	1.11
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	15	1.11
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	15	1.11
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	15	1.11
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	15	1.11
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	15	1.11
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	15	1.11
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	9	1.11
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	13	1.11
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	13	1.11
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	13	1.11
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	13	1.11
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	13	1.11
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	13	1.11
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	1	1.11
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	1	1.11
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	1	1.11
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	2	1.11
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	2	1.11
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	2	1.11
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	2	1.11
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	2	1.11
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	2	1.11
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	2	1.11
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	2	1.11
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	2	1.11
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	18	1.11
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	18	1.11
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	18	1.11
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	8	1.11
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	8	1.11
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	8	1.11
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	10	1.11
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	10	1.11
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	10	1.11
(1,763)	1:53:A:LEU:HD11	1:116:A:THR:HB	18	1.11
(1,763)	1:53:A:LEU:HD12	1:116:A:THR:HB	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:53:A:LEU:HD13	1:116:A:THR:HB	18	1.11
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD11	20	1.11
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD12	20	1.11
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD13	20	1.11
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD11	20	1.11
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD12	20	1.11
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD13	20	1.11
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	15	1.11
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	15	1.11
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	15	1.11
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	17	1.11
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	13	1.11
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	13	1.11
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	1	1.11
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	1	1.11
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	1	1.11
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	3	1.11
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	3	1.11
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	3	1.11
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	3	1.11
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	3	1.11
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	3	1.11
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	18	1.11
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	12	1.11
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	9	1.11
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	3	1.11
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	5	1.11
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	2	1.1
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG11	17	1.1
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG12	17	1.1
(1,2996)	1:34:A:GLY:H	1:95:A:VAL:HG13	17	1.1
(1,2875)	1:86:A:SER:HB2	1:88:A:TYR:H	8	1.1
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	8	1.1
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	14	1.1
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	14	1.1
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	14	1.1
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	14	1.1
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	14	1.1
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	14	1.1
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	14	1.1
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	14	1.1
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	17	1.1
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	5	1.1
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	17	1.1
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	17	1.1
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	17	1.1
(1,1231)	1:95:A:VAL:HG11	1:96:A:GLN:HB2	15	1.1
(1,1231)	1:95:A:VAL:HG12	1:96:A:GLN:HB2	15	1.1
(1,1231)	1:95:A:VAL:HG13	1:96:A:GLN:HB2	15	1.1
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	9	1.1
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	9	1.1
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	9	1.1
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	19	1.1
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	19	1.1
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	19	1.1
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	9	1.1
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	9	1.1
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	9	1.1
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	3	1.1
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	3	1.1
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	3	1.1
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	20	1.1
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	20	1.1
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	20	1.1
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	20	1.1
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	20	1.1
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	20	1.1
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	20	1.1
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	20	1.1
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	20	1.1
(1,987)	1:10:A:LEU:HD21	1:16:A:ASN:HA	16	1.1
(1,987)	1:10:A:LEU:HD22	1:16:A:ASN:HA	16	1.1
(1,987)	1:10:A:LEU:HD23	1:16:A:ASN:HA	16	1.1
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	7	1.1
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	7	1.1
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	7	1.1
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	7	1.1
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	7	1.1
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	7	1.1
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	7	1.1
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	7	1.1
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	7	1.1
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	17	1.1
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	17	1.1
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	17	1.1
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	17	1.1
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	17	1.1
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	17	1.1
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	17	1.1
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	17	1.1
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	14	1.1
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	14	1.1
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	14	1.1
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	14	1.1
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	14	1.1
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	14	1.1
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	14	1.1
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	14	1.1
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	14	1.1
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	19	1.1
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	19	1.1
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	19	1.1
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	19	1.1
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	19	1.1
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	19	1.1
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	19	1.1
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	19	1.1
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	19	1.1
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	2	1.1
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	2	1.1
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	2	1.1
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	2	1.1
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	2	1.1
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	2	1.1
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	2	1.1
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	2	1.1
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	2	1.1
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	15	1.1
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	15	1.1
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	15	1.1
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	6	1.1
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	6	1.1
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	6	1.1
(1,687)	1:141:A:LEU:HD11	1:142:A:ARG:HA	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:141:A:LEU:HD12	1:142:A:ARG:HA	3	1.1
(1,687)	1:141:A:LEU:HD13	1:142:A:ARG:HA	3	1.1
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	1	1.1
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	5	1.1
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	1	1.1
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	1	1.1
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	1	1.1
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	7	1.1
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	9	1.1
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	9	1.1
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	9	1.1
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	6	1.09
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	6	1.09
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	6	1.09
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	5	1.09
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	5	1.09
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	5	1.09
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	8	1.09
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	8	1.09
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	8	1.09
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	8	1.09
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	12	1.09
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	15	1.09
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	15	1.09
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	15	1.09
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	14	1.09
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	14	1.09
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	14	1.09
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	1	1.09
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	1	1.09
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	19	1.09
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	19	1.09
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	5	1.09
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	18	1.09
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	13	1.09
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	8	1.09
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	12	1.09
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	12	1.09
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	12	1.09
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	17	1.09
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG11	16	1.09
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG12	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1298)	1:95:A:VAL:HG21	1:110:A:VAL:HG13	16	1.09
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG11	16	1.09
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG12	16	1.09
(1,1298)	1:95:A:VAL:HG22	1:110:A:VAL:HG13	16	1.09
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG11	16	1.09
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG12	16	1.09
(1,1298)	1:95:A:VAL:HG23	1:110:A:VAL:HG13	16	1.09
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG11	17	1.09
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG12	17	1.09
(1,1230)	1:34:A:GLY:HA3	1:95:A:VAL:HG13	17	1.09
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	2	1.09
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	2	1.09
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	2	1.09
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	8	1.09
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	8	1.09
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	8	1.09
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	12	1.09
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	12	1.09
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	12	1.09
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	11	1.09
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	11	1.09
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	11	1.09
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG21	3	1.09
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG22	3	1.09
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG23	3	1.09
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	3	1.09
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	3	1.09
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	3	1.09
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	16	1.09
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	16	1.09
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	16	1.09
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	7	1.09
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	7	1.09
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	7	1.09
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	1	1.09
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	1	1.09
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	1	1.09
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	1	1.09
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	1	1.09
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	1	1.09
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	1	1.09
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	1	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	1	1.09
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	16	1.09
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	16	1.09
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	16	1.09
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	16	1.09
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	16	1.09
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	16	1.09
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD21	3	1.09
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD22	3	1.09
(1,644)	1:42:A:LEU:HA	1:53:A:LEU:HD23	3	1.09
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	17	1.09
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	15	1.09
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	8	1.09
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	8	1.09
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	6	1.09
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	1	1.09
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	1	1.09
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	1	1.09
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	9	1.09
(1,2768)	1:35:A:CYS:HB2	1:64:A:THR:H	10	1.08
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	13	1.08
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	8	1.08
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD21	2	1.08
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD22	2	1.08
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD23	2	1.08
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	1	1.08
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	19	1.08
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	19	1.08
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	7	1.08
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	3	1.08
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	11	1.08
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	14	1.08
(1,1142)	1:127:A:LEU:HA	1:127:A:LEU:HD21	7	1.08
(1,1142)	1:127:A:LEU:HA	1:127:A:LEU:HD22	7	1.08
(1,1142)	1:127:A:LEU:HA	1:127:A:LEU:HD23	7	1.08
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	12	1.08
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	12	1.08
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	12	1.08
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	12	1.08
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	12	1.08
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	12	1.08
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG21	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG22	10	1.08
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG23	10	1.08
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	9	1.08
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	9	1.08
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	9	1.08
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	14	1.08
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	14	1.08
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	14	1.08
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	3	1.08
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	3	1.08
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	3	1.08
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	3	1.08
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	3	1.08
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	3	1.08
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	3	1.08
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	3	1.08
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	3	1.08
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	18	1.08
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	18	1.08
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	18	1.08
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	6	1.08
(1,371)	1:110:A:VAL:HG11	1:112:A:CYS:HB3	6	1.08
(1,371)	1:110:A:VAL:HG12	1:112:A:CYS:HB3	6	1.08
(1,371)	1:110:A:VAL:HG13	1:112:A:CYS:HB3	6	1.08
(1,356)	1:94:A:GLN:HA	1:111:A:GLN:HG2	2	1.08
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	18	1.08
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	7	1.08
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	9	1.07
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	2	1.07
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	19	1.07
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	20	1.07
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	4	1.07
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	13	1.07
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	13	1.07
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	13	1.07
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	17	1.07
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	17	1.07
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	17	1.07
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	17	1.07
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	17	1.07
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	17	1.07
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	17	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	17	1.07
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	17	1.07
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	11	1.07
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	9	1.07
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	9	1.07
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	9	1.07
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	9	1.07
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	9	1.07
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	9	1.07
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	9	1.07
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	9	1.07
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	9	1.07
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	5	1.07
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	5	1.07
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	5	1.07
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD11	2	1.07
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD12	2	1.07
(1,815)	1:75:A:LEU:HD11	1:78:A:LEU:HD13	2	1.07
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD11	2	1.07
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD12	2	1.07
(1,815)	1:75:A:LEU:HD12	1:78:A:LEU:HD13	2	1.07
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD11	2	1.07
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD12	2	1.07
(1,815)	1:75:A:LEU:HD13	1:78:A:LEU:HD13	2	1.07
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	12	1.07
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	12	1.07
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	12	1.07
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD21	15	1.07
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD22	15	1.07
(1,643)	1:43:A:VAL:H	1:53:A:LEU:HD23	15	1.07
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD21	18	1.07
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD22	18	1.07
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD23	18	1.07
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	7	1.07
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	7	1.07
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	7	1.07
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	12	1.07
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	16	1.07
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	16	1.07
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	16	1.07
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	16	1.07
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	16	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	16	1.07
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	17	1.07
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	17	1.07
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	17	1.07
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	17	1.07
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	17	1.07
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	17	1.07
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	14	1.07
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	20	1.07
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	20	1.07
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	20	1.07
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	20	1.06
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	17	1.06
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	16	1.06
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	1	1.06
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	1	1.06
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	1	1.06
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	16	1.06
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	16	1.06
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	16	1.06
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	19	1.06
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	19	1.06
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	19	1.06
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	10	1.06
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	10	1.06
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	10	1.06
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	17	1.06
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	17	1.06
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	17	1.06
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	14	1.06
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	14	1.06
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	14	1.06
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	14	1.06
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	14	1.06
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	14	1.06
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	14	1.06
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	14	1.06
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	14	1.06
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	5	1.06
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	5	1.06
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	5	1.06
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	4	1.06
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	4	1.06
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	6	1.06
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	6	1.06
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	6	1.06
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	2	1.06
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	2	1.06
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	2	1.06
(1,640)	1:42:A:LEU:HD21	1:53:A:LEU:HG	1	1.06
(1,640)	1:42:A:LEU:HD22	1:53:A:LEU:HG	1	1.06
(1,640)	1:42:A:LEU:HD23	1:53:A:LEU:HG	1	1.06
(1,636)	1:146:A:ARG:HG3	1:149:A:ARG:HA	13	1.06
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	10	1.06
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	10	1.06
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	10	1.06
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	3	1.06
(1,492)	1:35:A:CYS:HB2	1:62:A:CYS:HB3	10	1.06
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	4	1.06
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	4	1.06
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	4	1.06
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	7	1.06
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	7	1.06
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	9	1.06
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	19	1.05
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	9	1.05
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	12	1.05
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	12	1.05
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	12	1.05
(1,2521)	1:11:A:LYS:HG3	1:66:A:GLU:H	11	1.05
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	14	1.05
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	19	1.05
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	4	1.05
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	4	1.05
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	4	1.05
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	4	1.05
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	4	1.05
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	4	1.05
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	4	1.05
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	4	1.05
(1,1847)	1:145:A:PRO:HD2	1:147:A:GLU:HG3	10	1.05
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	13	1.05
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	3	1.05
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	3	1.05
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	19	1.05
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	19	1.05
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	19	1.05
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	12	1.05
(1,981)	1:10:A:LEU:HD21	1:17:A:HIS:H	16	1.05
(1,981)	1:10:A:LEU:HD22	1:17:A:HIS:H	16	1.05
(1,981)	1:10:A:LEU:HD23	1:17:A:HIS:H	16	1.05
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB3	8	1.05
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB2	8	1.05
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	3	1.05
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	3	1.05
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	3	1.05
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	19	1.05
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	19	1.05
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	19	1.05
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	12	1.05
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	12	1.05
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	12	1.05
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	14	1.05
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	14	1.05
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	14	1.05
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	14	1.05
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	14	1.05
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	14	1.05
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	1	1.05
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	1	1.05
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	2	1.05
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	16	1.05
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	6	1.04
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	7	1.04
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	7	1.04
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	8	1.04
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	8	1.04
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	12	1.04
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	12	1.04
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	11	1.04
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	11	1.04
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	11	1.04
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	11	1.04
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	5	1.04
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	15	1.04
(1,980)	1:10:A:LEU:HD21	1:18:A:LYS:H	1	1.04
(1,980)	1:10:A:LEU:HD22	1:18:A:LYS:H	1	1.04
(1,980)	1:10:A:LEU:HD23	1:18:A:LYS:H	1	1.04
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	3	1.04
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	3	1.04
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	3	1.04
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	3	1.04
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	3	1.04
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	3	1.04
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	3	1.04
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	3	1.04
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	3	1.04
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	17	1.04
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	17	1.04
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	17	1.04
(1,956)	1:97:A:VAL:HG11	1:100:A:TRP:HA	19	1.04
(1,956)	1:97:A:VAL:HG12	1:100:A:TRP:HA	19	1.04
(1,956)	1:97:A:VAL:HG13	1:100:A:TRP:HA	19	1.04
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	8	1.04
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	8	1.04
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	8	1.04
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB3	4	1.04
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB2	4	1.04
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	3	1.04
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	19	1.04
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	19	1.04
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	19	1.04
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	20	1.04
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	20	1.04
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	20	1.04
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	15	1.04
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	15	1.04
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	15	1.04
(1,725)	1:42:A:LEU:HD11	1:132:A:SER:H	18	1.04
(1,725)	1:42:A:LEU:HD12	1:132:A:SER:H	18	1.04
(1,725)	1:42:A:LEU:HD13	1:132:A:SER:H	18	1.04
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	1	1.04
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	15	1.04
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	9	1.04
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	9	1.04
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	18	1.04
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	18	1.04
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	18	1.04
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	14	1.04
(1,47)	1:137:A:GLY:HA2	1:139:A:HIS:H	13	1.04
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	9	1.03
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	9	1.03
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	9	1.03
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	19	1.03
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	19	1.03
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	19	1.03
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	3	1.03
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	3	1.03
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	4	1.03
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	12	1.03
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	17	1.03
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	18	1.03
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	15	1.03
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	15	1.03
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	15	1.03
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	2	1.03
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	2	1.03
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	2	1.03
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	4	1.03
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	4	1.03
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	4	1.03
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	16	1.03
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	16	1.03
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	16	1.03
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	10	1.03
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	10	1.03
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	10	1.03
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	20	1.03
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	20	1.03
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	20	1.03
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	3	1.03
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	3	1.03
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	3	1.03
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	13	1.03
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	13	1.03
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	13	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	19	1.03
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	19	1.03
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	19	1.03
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	17	1.03
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	17	1.03
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	17	1.03
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	14	1.03
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	14	1.03
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	14	1.03
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	14	1.03
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	14	1.03
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	14	1.03
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	15	1.03
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	15	1.03
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	15	1.03
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	17	1.03
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	6	1.03
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	6	1.03
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	6	1.03
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	6	1.03
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	6	1.03
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	6	1.03
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	18	1.03
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	8	1.03
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	11	1.03
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD21	14	1.03
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD22	14	1.03
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD23	14	1.03
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	20	1.03
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG21	18	1.03
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG22	18	1.03
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG23	18	1.03
(1,2875)	1:86:A:SER:HB2	1:88:A:TYR:H	4	1.02
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	18	1.02
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	18	1.02
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	18	1.02
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	2	1.02
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	2	1.02
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	2	1.02
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	16	1.02
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	1	1.02
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:31:A:ARG:HG2	1:100:A:TRP:HH2	7	1.02
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD11	7	1.02
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD12	7	1.02
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD13	7	1.02
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	5	1.02
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	5	1.02
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	1	1.02
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	1	1.02
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	10	1.02
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	5	1.02
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	5	1.02
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	5	1.02
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	16	1.02
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	16	1.02
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	16	1.02
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	19	1.02
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	19	1.02
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	19	1.02
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	3	1.02
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	3	1.02
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	3	1.02
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	3	1.02
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	3	1.02
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	3	1.02
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	16	1.02
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	16	1.02
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	16	1.02
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	14	1.02
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	14	1.02
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	14	1.02
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	20	1.02
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	20	1.02
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	20	1.02
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	20	1.02
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	20	1.02
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	20	1.02
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	20	1.02
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	20	1.02
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	20	1.02
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	20	1.02
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	20	1.02
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	6	1.02
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	8	1.02
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	20	1.02
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	20	1.02
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	20	1.02
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	20	1.02
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	20	1.02
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	20	1.02
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	20	1.02
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	20	1.02
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	20	1.02
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	2	1.02
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	5	1.02
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	15	1.02
(1,301)	1:135:A:SER:HB2	1:136:A:GLU:HG3	9	1.02
(1,272)	1:38:A:GLU:HG2	1:58:A:GLY:HA2	16	1.02
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	15	1.02
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	20	1.02
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	20	1.02
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	20	1.02
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	5	1.02
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	12	1.02
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	12	1.02
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	12	1.02
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	2	1.02
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	8	1.02
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	12	1.01
(1,2663)	1:6:A:VAL:H	1:66:A:GLU:HB2	11	1.01
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	20	1.01
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	20	1.01
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	20	1.01
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	4	1.01
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	4	1.01
(1,1847)	1:145:A:PRO:HD2	1:147:A:GLU:HG3	20	1.01
(1,1767)	1:54:A:LEU:HD21	1:120:A:TYR:HA	3	1.01
(1,1767)	1:54:A:LEU:HD22	1:120:A:TYR:HA	3	1.01
(1,1767)	1:54:A:LEU:HD23	1:120:A:TYR:HA	3	1.01
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	2	1.01
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	12	1.01
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	17	1.01
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	17	1.01
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	7	1.01
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	7	1.01
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	7	1.01
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	4	1.01
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	4	1.01
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	4	1.01
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	12	1.01
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	12	1.01
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	12	1.01
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	19	1.01
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	19	1.01
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	19	1.01
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	19	1.01
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	19	1.01
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	19	1.01
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	15	1.01
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	15	1.01
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	15	1.01
(1,969)	1:54:A:LEU:HD21	1:120:A:TYR:H	16	1.01
(1,969)	1:54:A:LEU:HD22	1:120:A:TYR:H	16	1.01
(1,969)	1:54:A:LEU:HD23	1:120:A:TYR:H	16	1.01
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	7	1.01
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	7	1.01
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	7	1.01
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	9	1.01
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	9	1.01
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	9	1.01
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	1	1.01
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	1	1.01
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	1	1.01
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	1	1.01
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	1	1.01
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	1	1.01
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	1	1.01
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	1	1.01
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	1	1.01
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	6	1.01
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	6	1.01
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	6	1.01
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	3	1.01
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	3	1.01
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	3	1.01
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	3	1.01
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	3	1.01
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	3	1.01
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	3	1.01
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	3	1.01
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	5	1.01
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	5	1.01
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	5	1.01
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	10	1.01
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	10	1.01
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	10	1.01
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	18	1.01
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	18	1.01
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	18	1.01
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	18	1.01
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	18	1.01
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	18	1.01
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	18	1.01
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	18	1.01
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	18	1.01
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	14	1.01
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	14	1.01
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	14	1.01
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	14	1.01
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	14	1.01
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	14	1.01
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	14	1.01
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	14	1.01
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	14	1.01
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	7	1.01
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	18	1.01
(1,491)	1:35:A:CYS:HB2	1:64:A:THR:HB	10	1.01
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD21	1	1.01
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD22	1	1.01
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD23	1	1.01
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	2	1.01
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	2	1.01
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	2	1.01
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	4	1.01
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	18	1.01
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	19	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	19	1.01
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	19	1.01
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	6	1.01
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	13	1.01
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	8	1.01
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	18	1.0
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	1	1.0
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	1	1.0
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	1	1.0
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	8	1.0
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	13	1.0
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	13	1.0
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	13	1.0
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD11	13	1.0
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD12	13	1.0
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD13	13	1.0
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD11	20	1.0
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD12	20	1.0
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD13	20	1.0
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	11	1.0
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	8	1.0
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	8	1.0
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	8	1.0
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	10	1.0
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	14	1.0
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG11	17	1.0
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG12	17	1.0
(1,1202)	1:35:A:CYS:HA	1:95:A:VAL:HG13	17	1.0
(1,1128)	1:97:A:VAL:HG21	1:110:A:VAL:HB	16	1.0
(1,1128)	1:97:A:VAL:HG22	1:110:A:VAL:HB	16	1.0
(1,1128)	1:97:A:VAL:HG23	1:110:A:VAL:HB	16	1.0
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	15	1.0
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	15	1.0
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	15	1.0
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	9	1.0
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB3	17	1.0
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB3	17	1.0
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB3	17	1.0
(1,1078)	1:78:A:LEU:HD21	1:81:A:PHE:HB2	17	1.0
(1,1078)	1:78:A:LEU:HD22	1:81:A:PHE:HB2	17	1.0
(1,1078)	1:78:A:LEU:HD23	1:81:A:PHE:HB2	17	1.0
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	16	1.0
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	16	1.0
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	5	1.0
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	5	1.0
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	5	1.0
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	17	1.0
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	16	1.0
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	16	1.0
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	16	1.0
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	16	1.0
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	16	1.0
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	16	1.0
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	16	1.0
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	16	1.0
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	16	1.0
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	2	1.0
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	2	1.0
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	2	1.0
(1,747)	1:42:A:LEU:HD21	1:54:A:LEU:H	6	1.0
(1,747)	1:42:A:LEU:HD22	1:54:A:LEU:H	6	1.0
(1,747)	1:42:A:LEU:HD23	1:54:A:LEU:H	6	1.0
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	1	1.0
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	1	1.0
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	1	1.0
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	2	1.0
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	6	1.0
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	19	1.0
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	20	1.0
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	7	1.0
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	10	1.0
(1,371)	1:110:A:VAL:HG11	1:112:A:CYS:HB3	11	1.0
(1,371)	1:110:A:VAL:HG12	1:112:A:CYS:HB3	11	1.0
(1,371)	1:110:A:VAL:HG13	1:112:A:CYS:HB3	11	1.0
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	3	1.0
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	3	1.0
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	3	1.0
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	19	1.0
(1,2967)	1:103:A:ASP:HB3	1:104:A:GLY:H	20	0.99
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD21	19	0.99
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD22	19	0.99
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD23	19	0.99
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	6	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	13	0.99
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	7	0.99
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	14	0.99
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	14	0.99
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	14	0.99
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	7	0.99
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	7	0.99
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	7	0.99
(1,1169)	1:45:A:ALA:HB1	1:127:A:LEU:HD11	7	0.99
(1,1169)	1:45:A:ALA:HB1	1:127:A:LEU:HD12	7	0.99
(1,1169)	1:45:A:ALA:HB1	1:127:A:LEU:HD13	7	0.99
(1,1169)	1:45:A:ALA:HB2	1:127:A:LEU:HD11	7	0.99
(1,1169)	1:45:A:ALA:HB2	1:127:A:LEU:HD12	7	0.99
(1,1169)	1:45:A:ALA:HB2	1:127:A:LEU:HD13	7	0.99
(1,1169)	1:45:A:ALA:HB3	1:127:A:LEU:HD11	7	0.99
(1,1169)	1:45:A:ALA:HB3	1:127:A:LEU:HD12	7	0.99
(1,1169)	1:45:A:ALA:HB3	1:127:A:LEU:HD13	7	0.99
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	19	0.99
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	19	0.99
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	19	0.99
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG21	20	0.99
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG22	20	0.99
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG23	20	0.99
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	12	0.99
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	12	0.99
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	12	0.99
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	20	0.99
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	20	0.99
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	20	0.99
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	20	0.99
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	20	0.99
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	20	0.99
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD11	7	0.99
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD12	7	0.99
(1,784)	1:122:A:PRO:HA	1:125:A:LEU:HD13	7	0.99
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	5	0.99
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	5	0.99
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	5	0.99
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	13	0.99
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	13	0.99
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	13	0.99
(1,582)	1:127:A:LEU:HD21	1:128:A:PRO:HG3	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:127:A:LEU:HD22	1:128:A:PRO:HG3	13	0.99
(1,582)	1:127:A:LEU:HD23	1:128:A:PRO:HG3	13	0.99
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	10	0.99
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	10	0.99
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	15	0.99
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	3	0.99
(1,178)	1:8:A:GLY:HA2	1:133:A:TYR:HB2	2	0.99
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	7	0.99
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	12	0.99
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	15	0.99
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	2	0.99
(1,2663)	1:6:A:VAL:H	1:66:A:GLU:HB2	17	0.98
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	2	0.98
(1,2122)	1:31:A:ARG:HG2	1:100:A:TRP:HZ2	20	0.98
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	12	0.98
(1,1733)	1:41:A:PRO:HB3	1:42:A:LEU:HA	10	0.98
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	9	0.98
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	9	0.98
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	9	0.98
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	8	0.98
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	8	0.98
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	8	0.98
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	6	0.98
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	5	0.98
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	5	0.98
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	5	0.98
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	5	0.98
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	5	0.98
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	5	0.98
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	5	0.98
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	5	0.98
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	5	0.98
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	5	0.98
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	5	0.98
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	5	0.98
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	14	0.98
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	14	0.98
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	14	0.98
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	19	0.98
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	13	0.98
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	13	0.98
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	20	0.98
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	20	0.98
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	20	0.98
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	19	0.98
(1,560)	1:59:A:LYS:H	1:59:A:LYS:HD3	20	0.98
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	9	0.98
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	8	0.98
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	17	0.98
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	11	0.98
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	5	0.98
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	19	0.98
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	7	0.98
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	11	0.97
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	11	0.97
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	11	0.97
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	18	0.97
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	18	0.97
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	18	0.97
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	12	0.97
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	12	0.97
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	12	0.97
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	6	0.97
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	6	0.97
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	6	0.97
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	6	0.97
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	6	0.97
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	6	0.97
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	11	0.97
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	11	0.97
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	16	0.97
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	16	0.97
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	16	0.97
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	16	0.97
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	16	0.97
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	16	0.97
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	20	0.97
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	14	0.97
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	18	0.97
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	12	0.97
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	12	0.97
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	12	0.97
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	3	0.97
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	3	0.97
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	10	0.97
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	10	0.97
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	10	0.97
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	20	0.97
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	20	0.97
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	20	0.97
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	19	0.97
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	19	0.97
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	19	0.97
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG21	14	0.97
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG22	14	0.97
(1,1047)	1:40:A:PHE:HB2	1:63:A:VAL:HG23	14	0.97
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	14	0.97
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	14	0.97
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	14	0.97
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	20	0.97
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	20	0.97
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	20	0.97
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	16	0.97
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	16	0.97
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	16	0.97
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	13	0.97
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	13	0.97
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	13	0.97
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	17	0.97
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	17	0.97
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	17	0.97
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	10	0.97
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	10	0.97
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	10	0.97
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	10	0.97
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	10	0.97
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	10	0.97
(1,560)	1:59:A:LYS:H	1:59:A:LYS:HD3	6	0.97
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	5	0.97
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	3	0.97
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	8	0.97
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	18	0.97
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	19	0.97
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	9	0.97
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	12	0.97
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	19	0.97
(1,161)	1:108:A:ASP:HB2	1:109:A:SER:HA	14	0.97
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	12	0.97
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	10	0.97
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	10	0.97
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	10	0.97
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	10	0.97
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	13	0.97
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	11	0.96
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	7	0.96
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	7	0.96
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	7	0.96
(1,2505)	1:61:A:HIS:H	1:129:A:TYR:HB2	20	0.96
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	10	0.96
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	9	0.96
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	15	0.96
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	7	0.96
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	10	0.96
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	18	0.96
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	18	0.96
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	2	0.96
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	2	0.96
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	2	0.96
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	2	0.96
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	2	0.96
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	2	0.96
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	8	0.96
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	8	0.96
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	20	0.96
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	20	0.96
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	20	0.96
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	15	0.96
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	15	0.96
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	15	0.96
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	6	0.96
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	6	0.96
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	6	0.96
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD21	20	0.96
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD22	20	0.96
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD23	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	2	0.96
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	2	0.96
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	2	0.96
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	20	0.96
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG21	11	0.96
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG22	11	0.96
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG23	11	0.96
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG21	11	0.96
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG22	11	0.96
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG23	11	0.96
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG21	11	0.96
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG22	11	0.96
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG23	11	0.96
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	2	0.96
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	13	0.96
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	13	0.96
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	13	0.96
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	4	0.96
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	4	0.96
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	4	0.96
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	9	0.96
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	9	0.96
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	9	0.96
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	18	0.96
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	2	0.96
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	19	0.96
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	19	0.96
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	8	0.96
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	12	0.96
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	12	0.96
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	12	0.96
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	12	0.96
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	5	0.96
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	5	0.96
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	3	0.96
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	16	0.96
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	10	0.96
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	7	0.95
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	7	0.95
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	7	0.95
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	5	0.95
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	11	0.95
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	2	0.95
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	2	0.95
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	9	0.95
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	5	0.95
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	5	0.95
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	5	0.95
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	13	0.95
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	16	0.95
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	14	0.95
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	14	0.95
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	14	0.95
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	14	0.95
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	14	0.95
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	14	0.95
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	14	0.95
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	14	0.95
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	14	0.95
(1,684)	1:44:A:ILE:H	1:141:A:LEU:HD11	20	0.95
(1,684)	1:44:A:ILE:H	1:141:A:LEU:HD12	20	0.95
(1,684)	1:44:A:ILE:H	1:141:A:LEU:HD13	20	0.95
(1,640)	1:42:A:LEU:HD21	1:53:A:LEU:HG	16	0.95
(1,640)	1:42:A:LEU:HD22	1:53:A:LEU:HG	16	0.95
(1,640)	1:42:A:LEU:HD23	1:53:A:LEU:HG	16	0.95
(1,560)	1:59:A:LYS:H	1:59:A:LYS:HD3	12	0.95
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	9	0.95
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	12	0.95
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	13	0.95
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	13	0.95
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	14	0.95
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	14	0.95
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	14	0.95
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	2	0.95
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	1	0.95
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	14	0.95
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	6	0.95
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	11	0.95
(1,57)	1:102:A:GLY:HA2	1:103:A:ASP:HB2	20	0.95
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	17	0.94
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	18	0.94
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	14	0.94
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG21	14	0.94
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG22	14	0.94
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG23	14	0.94
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	5	0.94
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	5	0.94
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	5	0.94
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	14	0.94
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	14	0.94
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	14	0.94
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	11	0.94
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	7	0.94
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	3	0.94
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	7	0.94
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	7	0.94
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	7	0.94
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	7	0.94
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	7	0.94
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	7	0.94
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	18	0.94
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	18	0.94
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	3	0.94
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	15	0.94
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	15	0.94
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	16	0.94
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	13	0.94
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	13	0.94
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	13	0.94
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	4	0.94
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	4	0.94
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	4	0.94
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	16	0.94
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	16	0.94
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	16	0.94
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	10	0.94
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	12	0.94
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	12	0.94
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	12	0.94
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	12	0.94
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	12	0.94
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	12	0.94
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	20	0.94
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	20	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	20	0.94
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	20	0.94
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	20	0.94
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	20	0.94
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	20	0.94
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	20	0.94
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	20	0.94
(1,582)	1:127:A:LEU:HD21	1:128:A:PRO:HG3	20	0.94
(1,582)	1:127:A:LEU:HD22	1:128:A:PRO:HG3	20	0.94
(1,582)	1:127:A:LEU:HD23	1:128:A:PRO:HG3	20	0.94
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	12	0.94
(1,303)	1:29:A:ALA:HB1	1:69:A:GLU:HG3	9	0.94
(1,303)	1:29:A:ALA:HB2	1:69:A:GLU:HG3	9	0.94
(1,303)	1:29:A:ALA:HB3	1:69:A:GLU:HG3	9	0.94
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	5	0.94
(1,200)	1:22:A:ASP:HB2	1:25:A:HIS:HD2	7	0.94
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	20	0.94
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	16	0.94
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	14	0.93
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	14	0.93
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	14	0.93
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	10	0.93
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	10	0.93
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	3	0.93
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	3	0.93
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	3	0.93
(1,2572)	1:147:A:GLU:HG3	1:148:A:ASN:H	5	0.93
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	3	0.93
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG21	20	0.93
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG22	20	0.93
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG23	20	0.93
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	13	0.93
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	13	0.93
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	13	0.93
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	13	0.93
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	13	0.93
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	13	0.93
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	7	0.93
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	7	0.93
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	7	0.93
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	1	0.93
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	1	0.93
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	6	0.93
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	3	0.93
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	6	0.93
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	6	0.93
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	6	0.93
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG21	14	0.93
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG22	14	0.93
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG23	14	0.93
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	9	0.93
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	8	0.93
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	8	0.93
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	8	0.93
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	17	0.93
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	17	0.93
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	17	0.93
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	14	0.93
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	14	0.93
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	14	0.93
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	6	0.93
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	6	0.93
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	6	0.93
(1,724)	1:42:A:LEU:HD11	1:133:A:TYR:H	10	0.93
(1,724)	1:42:A:LEU:HD12	1:133:A:TYR:H	10	0.93
(1,724)	1:42:A:LEU:HD13	1:133:A:TYR:H	10	0.93
(1,640)	1:42:A:LEU:HD21	1:53:A:LEU:HG	15	0.93
(1,640)	1:42:A:LEU:HD22	1:53:A:LEU:HG	15	0.93
(1,640)	1:42:A:LEU:HD23	1:53:A:LEU:HG	15	0.93
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	15	0.93
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	17	0.93
(1,582)	1:127:A:LEU:HD21	1:128:A:PRO:HG3	2	0.93
(1,582)	1:127:A:LEU:HD22	1:128:A:PRO:HG3	2	0.93
(1,582)	1:127:A:LEU:HD23	1:128:A:PRO:HG3	2	0.93
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	14	0.93
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	13	0.93
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	5	0.93
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	7	0.93
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	7	0.93
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	7	0.93
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	10	0.93
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	16	0.93
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	12	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	10	0.93
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	9	0.93
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	4	0.93
(1,45)	1:137:A:GLY:HA2	1:139:A:HIS:HD2	13	0.93
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	20	0.93
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	1	0.92
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	11	0.92
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	18	0.92
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	14	0.92
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	14	0.92
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	14	0.92
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	9	0.92
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	9	0.92
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	9	0.92
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	16	0.92
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	16	0.92
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	16	0.92
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	7	0.92
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	7	0.92
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	7	0.92
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	4	0.92
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	4	0.92
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	4	0.92
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	20	0.92
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	9	0.92
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	19	0.92
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	16	0.92
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	16	0.92
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	16	0.92
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG21	14	0.92
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG22	14	0.92
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG23	14	0.92
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	13	0.92
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	5	0.92
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	2	0.92
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	2	0.92
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	2	0.92
(1,640)	1:42:A:LEU:HD21	1:53:A:LEU:HG	18	0.92
(1,640)	1:42:A:LEU:HD22	1:53:A:LEU:HG	18	0.92
(1,640)	1:42:A:LEU:HD23	1:53:A:LEU:HG	18	0.92
(1,560)	1:59:A:LYS:H	1:59:A:LYS:HD3	17	0.92
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	11	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	11	0.92
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	11	0.92
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	11	0.92
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	11	0.92
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	11	0.92
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	17	0.92
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	20	0.92
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	1	0.92
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD21	8	0.92
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD22	8	0.92
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD23	8	0.92
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB2	20	0.92
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB3	20	0.92
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	7	0.92
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	17	0.92
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	13	0.92
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	13	0.92
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	13	0.92
(1,143)	1:18:A:LYS:HB2	1:18:A:LYS:HE2	8	0.92
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	14	0.92
(1,57)	1:102:A:GLY:HA2	1:103:A:ASP:HB2	6	0.92
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	16	0.91
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	16	0.91
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	16	0.91
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	1	0.91
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	9	0.91
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	9	0.91
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	9	0.91
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	5	0.91
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	9	0.91
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	4	0.91
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	4	0.91
(1,2026)	1:31:A:ARG:HG2	1:100:A:TRP:HH2	16	0.91
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	6	0.91
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	6	0.91
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	6	0.91
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	19	0.91
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	12	0.91
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	12	0.91
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	12	0.91
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	20	0.91
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	20	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	20	0.91
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	16	0.91
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	16	0.91
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	16	0.91
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD21	7	0.91
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD22	7	0.91
(1,1119)	1:21:A:LEU:HA	1:21:A:LEU:HD23	7	0.91
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	11	0.91
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	7	0.91
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	7	0.91
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	7	0.91
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	9	0.91
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	9	0.91
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	9	0.91
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	9	0.91
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	9	0.91
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	9	0.91
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	9	0.91
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	9	0.91
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	9	0.91
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	1	0.91
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	1	0.91
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	1	0.91
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	11	0.91
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	20	0.91
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	20	0.91
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	20	0.91
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	20	0.91
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	20	0.91
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	20	0.91
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	17	0.91
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	17	0.91
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	17	0.91
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	2	0.91
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	2	0.91
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	2	0.91
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	13	0.91
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	4	0.91
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	14	0.91
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	20	0.91
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	20	0.91
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	20	0.91
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	14	0.91
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	14	0.91
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	14	0.91
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	2	0.91
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	9	0.91
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	11	0.91
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	11	0.91
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	14	0.91
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	14	0.91
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	14	0.91
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	18	0.91
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	5	0.9
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	18	0.9
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	3	0.9
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	5	0.9
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	4	0.9
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	5	0.9
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	5	0.9
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	9	0.9
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	9	0.9
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	9	0.9
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	9	0.9
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	14	0.9
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	14	0.9
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	14	0.9
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	13	0.9
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	8	0.9
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	8	0.9
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	8	0.9
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	8	0.9
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	8	0.9
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	8	0.9
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	8	0.9
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	8	0.9
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	8	0.9
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	11	0.9
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	13	0.9
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	13	0.9
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	13	0.9
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	2	0.9
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	2	0.9
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	16	0.9
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	16	0.9
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	16	0.9
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	16	0.9
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	16	0.9
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	16	0.9
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	16	0.9
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	16	0.9
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	16	0.9
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD21	9	0.9
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD22	9	0.9
(1,971)	1:52:A:TRP:HB3	1:54:A:LEU:HD23	9	0.9
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	19	0.9
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	19	0.9
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	19	0.9
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	12	0.9
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	6	0.9
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	6	0.9
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	6	0.9
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	15	0.9
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	15	0.9
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	15	0.9
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	15	0.9
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	15	0.9
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	15	0.9
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	17	0.9
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	17	0.9
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	17	0.9
(1,650)	1:53:A:LEU:HD21	1:63:A:VAL:HB	20	0.9
(1,650)	1:53:A:LEU:HD22	1:63:A:VAL:HB	20	0.9
(1,650)	1:53:A:LEU:HD23	1:63:A:VAL:HB	20	0.9
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	6	0.9
(1,446)	1:43:A:VAL:HG11	1:52:A:TRP:HB3	5	0.9
(1,446)	1:43:A:VAL:HG12	1:52:A:TRP:HB3	5	0.9
(1,446)	1:43:A:VAL:HG13	1:52:A:TRP:HB3	5	0.9
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	3	0.9
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	12	0.9
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	11	0.9
(1,301)	1:135:A:SER:HB2	1:136:A:GLU:HG3	20	0.9
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	3	0.9
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	7	0.9
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	7	0.9
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	7	0.9
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	15	0.89
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	17	0.89
(1,2449)	1:142:A:ARG:H	1:142:A:ARG:HD2	5	0.89
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	19	0.89
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	19	0.89
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	19	0.89
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	5	0.89
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	5	0.89
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	5	0.89
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	9	0.89
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	10	0.89
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	14	0.89
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	14	0.89
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	19	0.89
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	5	0.89
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	2	0.89
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	2	0.89
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	2	0.89
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	2	0.89
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	2	0.89
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	2	0.89
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	4	0.89
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	4	0.89
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	4	0.89
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	17	0.89
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	17	0.89
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	17	0.89
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	7	0.89
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD11	20	0.89
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD12	20	0.89
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD13	20	0.89
(1,1412)	1:43:A:VAL:HG11	1:52:A:TRP:H	6	0.89
(1,1412)	1:43:A:VAL:HG12	1:52:A:TRP:H	6	0.89
(1,1412)	1:43:A:VAL:HG13	1:52:A:TRP:H	6	0.89
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	4	0.89
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	16	0.89
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	15	0.89
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	18	0.89
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	18	0.89
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	18	0.89
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	18	0.89
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	18	0.89
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	18	0.89
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	18	0.89
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	18	0.89
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB3	20	0.89
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB2	20	0.89
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	3	0.89
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	6	0.89
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	11	0.89
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	20	0.89
(1,880)	1:27:A:LEU:HD21	1:71:A:ASP:HB2	1	0.89
(1,880)	1:27:A:LEU:HD22	1:71:A:ASP:HB2	1	0.89
(1,880)	1:27:A:LEU:HD23	1:71:A:ASP:HB2	1	0.89
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	4	0.89
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	4	0.89
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	4	0.89
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	4	0.89
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	4	0.89
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	4	0.89
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	4	0.89
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	4	0.89
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	4	0.89
(1,806)	1:75:A:LEU:HD11	1:78:A:LEU:H	14	0.89
(1,806)	1:75:A:LEU:HD12	1:78:A:LEU:H	14	0.89
(1,806)	1:75:A:LEU:HD13	1:78:A:LEU:H	14	0.89
(1,757)	1:56:A:LEU:HD11	1:57:A:PRO:HD3	19	0.89
(1,757)	1:56:A:LEU:HD12	1:57:A:PRO:HD3	19	0.89
(1,757)	1:56:A:LEU:HD13	1:57:A:PRO:HD3	19	0.89
(1,715)	1:96:A:GLN:HB3	1:109:A:SER:HB2	13	0.89
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	14	0.89
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	16	0.89
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	16	0.89
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	20	0.89
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	4	0.89
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	4	0.89
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	4	0.89
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	4	0.88
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	11	0.88
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	19	0.88
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	19	0.88
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	19	0.88
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	19	0.88
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	19	0.88
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	19	0.88
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	5	0.88
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	15	0.88
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	5	0.88
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	5	0.88
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	5	0.88
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	2	0.88
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	19	0.88
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG21	17	0.88
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG22	17	0.88
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG23	17	0.88
(1,969)	1:54:A:LEU:HD21	1:120:A:TYR:H	3	0.88
(1,969)	1:54:A:LEU:HD22	1:120:A:TYR:H	3	0.88
(1,969)	1:54:A:LEU:HD23	1:120:A:TYR:H	3	0.88
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	7	0.88
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	7	0.88
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	7	0.88
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG11	14	0.88
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG12	14	0.88
(1,950)	1:33:A:ARG:H	1:97:A:VAL:HG13	14	0.88
(1,908)	1:93:A:LEU:HD21	1:113:A:PHE:HA	10	0.88
(1,908)	1:93:A:LEU:HD22	1:113:A:PHE:HA	10	0.88
(1,908)	1:93:A:LEU:HD23	1:113:A:PHE:HA	10	0.88
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	5	0.88
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	11	0.88
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	19	0.88
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	14	0.88
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	17	0.88
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	17	0.88
(1,271)	1:38:A:GLU:HG2	1:58:A:GLY:H	3	0.88
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	11	0.88
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	8	0.88
(1,201)	1:19:A:VAL:HA	1:22:A:ASP:HB2	15	0.88
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	4	0.88
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	17	0.88
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	14	0.87
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	14	0.87
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	6	0.87
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE1	12	0.87
(1,2103)	1:15:A:PRO:HB3	1:143:A:TYR:HE2	12	0.87
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	4	0.87
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	5	0.87
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	5	0.87
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	1	0.87
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	1	0.87
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	1	0.87
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	8	0.87
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	8	0.87
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	8	0.87
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	20	0.87
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	14	0.87
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	14	0.87
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	14	0.87
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	5	0.87
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	5	0.87
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	5	0.87
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	15	0.87
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	17	0.87
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	12	0.87
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	12	0.87
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	12	0.87
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	1	0.87
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	1	0.87
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	1	0.87
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	18	0.87
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	18	0.87
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	18	0.87
(1,489)	1:35:A:CYS:HB2	1:64:A:THR:HA	17	0.87
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG21	2	0.87
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG22	2	0.87
(1,463)	1:106:A:PRO:HB2	1:110:A:VAL:HG23	2	0.87
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG21	2	0.87
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG22	2	0.87
(1,463)	1:106:A:PRO:HB3	1:110:A:VAL:HG23	2	0.87
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	1	0.87
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	16	0.87
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	16	0.87
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	18	0.87
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	8	0.86
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	16	0.86
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	12	0.86
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	12	0.86
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	12	0.86
(1,1739)	1:61:A:HIS:HA	1:62:A:CYS:HB2	3	0.86
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	8	0.86
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	8	0.86
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	8	0.86
(1,1346)	1:30:A:PHE:HA	1:31:A:ARG:HB3	16	0.86
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG21	18	0.86
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG22	18	0.86
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG23	18	0.86
(1,1128)	1:97:A:VAL:HG21	1:110:A:VAL:HB	19	0.86
(1,1128)	1:97:A:VAL:HG22	1:110:A:VAL:HB	19	0.86
(1,1128)	1:97:A:VAL:HG23	1:110:A:VAL:HB	19	0.86
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	7	0.86
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	7	0.86
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	7	0.86
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	19	0.86
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	19	0.86
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	19	0.86
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	8	0.86
(1,989)	1:10:A:LEU:HD21	1:20:A:MET:HG2	19	0.86
(1,989)	1:10:A:LEU:HD22	1:20:A:MET:HG2	19	0.86
(1,989)	1:10:A:LEU:HD23	1:20:A:MET:HG2	19	0.86
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	18	0.86
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	3	0.86
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	3	0.86
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	3	0.86
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	3	0.86
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	3	0.86
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	3	0.86
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	7	0.86
(1,582)	1:127:A:LEU:HD21	1:128:A:PRO:HG3	19	0.86
(1,582)	1:127:A:LEU:HD22	1:128:A:PRO:HG3	19	0.86
(1,582)	1:127:A:LEU:HD23	1:128:A:PRO:HG3	19	0.86
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	14	0.86
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	14	0.86
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	14	0.86
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	19	0.86
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	11	0.86
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	20	0.86
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	19	0.86
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	19	0.86
(1,214)	1:83:A:ASP:HB3	1:87:A:MET:HB2	18	0.86
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	8	0.86
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	16	0.86
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	16	0.86
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	16	0.86
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	20	0.86
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	4	0.86
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	6	0.85
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	7	0.85
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	17	0.85
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	13	0.85
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	6	0.85
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	17	0.85
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	17	0.85
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	17	0.85
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	17	0.85
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	17	0.85
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	17	0.85
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	7	0.85
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	7	0.85
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	7	0.85
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	9	0.85
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	9	0.85
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	9	0.85
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	7	0.85
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	3	0.85
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	3	0.85
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	3	0.85
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	3	0.85
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	3	0.85
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	3	0.85
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	13	0.85
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	13	0.85
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	13	0.85
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	13	0.85
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	13	0.85
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	13	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	13	0.85
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	13	0.85
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	17	0.85
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	20	0.85
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	14	0.85
(1,1072)	1:6:A:VAL:HG21	1:11:A:LYS:HB2	11	0.85
(1,1072)	1:6:A:VAL:HG22	1:11:A:LYS:HB2	11	0.85
(1,1072)	1:6:A:VAL:HG23	1:11:A:LYS:HB2	11	0.85
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	4	0.85
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	8	0.85
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	10	0.85
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	16	0.85
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	16	0.85
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	16	0.85
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	16	0.85
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	16	0.85
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	16	0.85
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	16	0.85
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	16	0.85
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	16	0.85
(1,727)	1:42:A:LEU:HD11	1:63:A:VAL:HA	10	0.85
(1,727)	1:42:A:LEU:HD12	1:63:A:VAL:HA	10	0.85
(1,727)	1:42:A:LEU:HD13	1:63:A:VAL:HA	10	0.85
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	19	0.85
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	18	0.85
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	5	0.85
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	10	0.85
(1,356)	1:94:A:GLN:HA	1:111:A:GLN:HG2	3	0.85
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	6	0.85
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	6	0.85
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	6	0.85
(1,214)	1:83:A:ASP:HB3	1:87:A:MET:HB2	10	0.85
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	12	0.85
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	12	0.85
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	12	0.85
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	6	0.85
(1,143)	1:18:A:LYS:HB2	1:18:A:LYS:HE2	10	0.85
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	9	0.85
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG21	15	0.85
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG22	15	0.85
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG23	15	0.85
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	16	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	16	0.84
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	16	0.84
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	10	0.84
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	12	0.84
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	4	0.84
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	7	0.84
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	20	0.84
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	18	0.84
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	18	0.84
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	18	0.84
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	2	0.84
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	14	0.84
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	20	0.84
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	20	0.84
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	20	0.84
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	20	0.84
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	20	0.84
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	20	0.84
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	20	0.84
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	20	0.84
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	20	0.84
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	2	0.84
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	17	0.84
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	17	0.84
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	17	0.84
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	20	0.84
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	20	0.84
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	20	0.84
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	20	0.84
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	20	0.84
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	20	0.84
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	20	0.84
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	20	0.84
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	20	0.84
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	17	0.84
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	17	0.84
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	17	0.84
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	20	0.84
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	20	0.84
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	20	0.84
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	1	0.84
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	6	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	6	0.84
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	6	0.84
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	6	0.84
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	6	0.84
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	6	0.84
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	6	0.84
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	6	0.84
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	6	0.84
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	2	0.84
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	2	0.84
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	2	0.84
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	3	0.84
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	3	0.84
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	3	0.84
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	7	0.84
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	7	0.84
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	7	0.84
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG21	12	0.84
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG22	12	0.84
(1,772)	1:53:A:LEU:HD11	1:116:A:THR:HG23	12	0.84
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG21	12	0.84
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG22	12	0.84
(1,772)	1:53:A:LEU:HD12	1:116:A:THR:HG23	12	0.84
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG21	12	0.84
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG22	12	0.84
(1,772)	1:53:A:LEU:HD13	1:116:A:THR:HG23	12	0.84
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	7	0.84
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	7	0.84
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	7	0.84
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	7	0.84
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	7	0.84
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	7	0.84
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	15	0.84
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	15	0.84
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	15	0.84
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	16	0.84
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	16	0.84
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	16	0.84
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	5	0.84
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	5	0.84
(1,327)	1:106:A:PRO:HB3	1:110:A:VAL:HB	5	0.84
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	12	0.84
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	12	0.84
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	12	0.84
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	12	0.84
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	12	0.84
(1,187)	1:22:A:ASP:HB2	1:24:A:SER:HB2	3	0.84
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	20	0.84
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	5	0.84
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	18	0.84
(1,2572)	1:147:A:GLU:HG3	1:148:A:ASN:H	16	0.83
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	17	0.83
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	17	0.83
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	17	0.83
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	4	0.83
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	4	0.83
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	4	0.83
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	4	0.83
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	4	0.83
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	4	0.83
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	8	0.83
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	11	0.83
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	19	0.83
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	3	0.83
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	7	0.83
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	18	0.83
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	18	0.83
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	18	0.83
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	4	0.83
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	4	0.83
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	4	0.83
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	10	0.83
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	10	0.83
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	10	0.83
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	7	0.83
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	18	0.83
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	19	0.83
(1,989)	1:10:A:LEU:HD21	1:20:A:MET:HG2	16	0.83
(1,989)	1:10:A:LEU:HD22	1:20:A:MET:HG2	16	0.83
(1,989)	1:10:A:LEU:HD23	1:20:A:MET:HG2	16	0.83
(1,969)	1:54:A:LEU:HD21	1:120:A:TYR:H	9	0.83
(1,969)	1:54:A:LEU:HD22	1:120:A:TYR:H	9	0.83
(1,969)	1:54:A:LEU:HD23	1:120:A:TYR:H	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	1	0.83
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	1	0.83
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	1	0.83
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	12	0.83
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	12	0.83
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	12	0.83
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	17	0.83
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	17	0.83
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	17	0.83
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	1	0.83
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	16	0.83
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	16	0.83
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	16	0.83
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	16	0.83
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	16	0.83
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	16	0.83
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	2	0.83
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	2	0.83
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	2	0.83
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	2	0.83
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	2	0.83
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	2	0.83
(1,723)	1:42:A:LEU:HD11	1:130:A:HIS:H	6	0.83
(1,723)	1:42:A:LEU:HD12	1:130:A:HIS:H	6	0.83
(1,723)	1:42:A:LEU:HD13	1:130:A:HIS:H	6	0.83
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	18	0.83
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	3	0.83
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	9	0.83
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	3	0.83
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	12	0.83
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	2	0.83
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	13	0.83
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	17	0.83
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	11	0.83
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	16	0.83
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	17	0.83
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	1	0.82
(1,2875)	1:86:A:SER:HB2	1:88:A:TYR:H	16	0.82
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	9	0.82
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	13	0.82
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	15	0.82
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	15	0.82
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	15	0.82
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	15	0.82
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	15	0.82
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	20	0.82
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	20	0.82
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	3	0.82
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	3	0.82
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	3	0.82
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	10	0.82
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	10	0.82
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	10	0.82
(1,1325)	1:17:A:HIS:HA	1:20:A:MET:HB2	12	0.82
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG21	15	0.82
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG22	15	0.82
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG23	15	0.82
(1,1225)	1:95:A:VAL:HG11	1:96:A:GLN:H	17	0.82
(1,1225)	1:95:A:VAL:HG12	1:96:A:GLN:H	17	0.82
(1,1225)	1:95:A:VAL:HG13	1:96:A:GLN:H	17	0.82
(1,1225)	1:95:A:VAL:HG11	1:96:A:GLN:H	18	0.82
(1,1225)	1:95:A:VAL:HG12	1:96:A:GLN:H	18	0.82
(1,1225)	1:95:A:VAL:HG13	1:96:A:GLN:H	18	0.82
(1,1198)	1:43:A:VAL:HG21	1:129:A:TYR:HB3	7	0.82
(1,1198)	1:43:A:VAL:HG22	1:129:A:TYR:HB3	7	0.82
(1,1198)	1:43:A:VAL:HG23	1:129:A:TYR:HB3	7	0.82
(1,1185)	1:43:A:VAL:HG21	1:130:A:HIS:H	11	0.82
(1,1185)	1:43:A:VAL:HG22	1:130:A:HIS:H	11	0.82
(1,1185)	1:43:A:VAL:HG23	1:130:A:HIS:H	11	0.82
(1,1072)	1:6:A:VAL:HG21	1:11:A:LYS:HB2	17	0.82
(1,1072)	1:6:A:VAL:HG22	1:11:A:LYS:HB2	17	0.82
(1,1072)	1:6:A:VAL:HG23	1:11:A:LYS:HB2	17	0.82
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	5	0.82
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	6	0.82
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	20	0.82
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	4	0.82
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	4	0.82
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	4	0.82
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	4	0.82
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	4	0.82
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	4	0.82
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	3	0.82
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	3	0.82
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	1	0.82
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	1	0.82
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	1	0.82
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	1	0.82
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	1	0.82
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	1	0.82
(1,640)	1:42:A:LEU:HD21	1:53:A:LEU:HG	14	0.82
(1,640)	1:42:A:LEU:HD22	1:53:A:LEU:HG	14	0.82
(1,640)	1:42:A:LEU:HD23	1:53:A:LEU:HG	14	0.82
(1,555)	1:32:A:GLY:HA3	1:33:A:ARG:HG2	17	0.82
(1,405)	1:94:A:GLN:HG2	1:109:A:SER:HB2	13	0.82
(1,405)	1:94:A:GLN:HG2	1:109:A:SER:HB3	13	0.82
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG21	17	0.82
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG22	17	0.82
(1,34)	1:93:A:LEU:HB2	1:95:A:VAL:HG23	17	0.82
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	11	0.81
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	3	0.81
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	4	0.81
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	14	0.81
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	1	0.81
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD11	19	0.81
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD12	19	0.81
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD13	19	0.81
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	12	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	7	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	7	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	7	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	7	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	7	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	7	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	10	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	10	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	10	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	10	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	10	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	10	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	20	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	20	0.81
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	20	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	20	0.81
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	20	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	20	0.81
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	1	0.81
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	1	0.81
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	1	0.81
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	19	0.81
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	19	0.81
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	19	0.81
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	20	0.81
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	8	0.81
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	8	0.81
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	8	0.81
(1,1225)	1:95:A:VAL:HG11	1:96:A:GLN:H	6	0.81
(1,1225)	1:95:A:VAL:HG12	1:96:A:GLN:H	6	0.81
(1,1225)	1:95:A:VAL:HG13	1:96:A:GLN:H	6	0.81
(1,1225)	1:95:A:VAL:HG11	1:96:A:GLN:H	15	0.81
(1,1225)	1:95:A:VAL:HG12	1:96:A:GLN:H	15	0.81
(1,1225)	1:95:A:VAL:HG13	1:96:A:GLN:H	15	0.81
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	15	0.81
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	15	0.81
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	15	0.81
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD21	9	0.81
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD22	9	0.81
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD23	9	0.81
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	15	0.81
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	15	0.81
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	15	0.81
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	15	0.81
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	15	0.81
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	15	0.81
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	15	0.81
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	15	0.81
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	15	0.81
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	1	0.81
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	1	0.81
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	1	0.81
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	5	0.81
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	5	0.81
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	5	0.81
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	9	0.81
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	9	0.81
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	9	0.81
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD11	2	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD12	2	0.81
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD13	2	0.81
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD11	2	0.81
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD12	2	0.81
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD13	2	0.81
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	12	0.81
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	12	0.81
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	3	0.81
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	3	0.81
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	3	0.81
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	13	0.81
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	6	0.81
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	13	0.81
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	3	0.81
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	16	0.81
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	15	0.81
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	15	0.81
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	15	0.81
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	6	0.81
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	4	0.81
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	2	0.81
(1,147)	1:16:A:ASN:HA	1:18:A:LYS:HE2	16	0.81
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	17	0.81
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	17	0.81
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	19	0.81
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	4	0.8
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	12	0.8
(1,2535)	1:12:A:ARG:H	1:12:A:ARG:HG3	17	0.8
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	10	0.8
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	11	0.8
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	14	0.8
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	3	0.8
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	3	0.8
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	2	0.8
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	2	0.8
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	2	0.8
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	2	0.8
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	2	0.8
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	2	0.8
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	17	0.8
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	17	0.8
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	17	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	2	0.8
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	2	0.8
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	2	0.8
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	9	0.8
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	9	0.8
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	9	0.8
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	3	0.8
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	3	0.8
(1,1152)	1:97:A:VAL:HG21	1:106:A:PRO:HG2	7	0.8
(1,1152)	1:97:A:VAL:HG22	1:106:A:PRO:HG2	7	0.8
(1,1152)	1:97:A:VAL:HG23	1:106:A:PRO:HG2	7	0.8
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG21	18	0.8
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG22	18	0.8
(1,1135)	1:5:A:PHE:HB2	1:114:A:VAL:HG23	18	0.8
(1,735)	1:42:A:LEU:HD21	1:51:A:PRO:HA	2	0.8
(1,735)	1:42:A:LEU:HD22	1:51:A:PRO:HA	2	0.8
(1,735)	1:42:A:LEU:HD23	1:51:A:PRO:HA	2	0.8
(1,491)	1:35:A:CYS:HB2	1:64:A:THR:HB	3	0.8
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	4	0.8
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	15	0.8
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	1	0.8
(1,307)	1:100:A:TRP:HA	1:101:A:GLU:HG3	19	0.8
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	10	0.8
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	10	0.8
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	10	0.8
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	4	0.8
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	4	0.8
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	7	0.8
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	14	0.8
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	10	0.8
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	13	0.8
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	6	0.79
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	15	0.79
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	6	0.79
(1,2292)	1:81:A:PHE:H	1:82:A:GLU:HB2	7	0.79
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	8	0.79
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	7	0.79
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	7	0.79
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	3	0.79
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	3	0.79
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	3	0.79
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	3	0.79
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	3	0.79
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	5	0.79
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	10	0.79
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	10	0.79
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	10	0.79
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	10	0.79
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	10	0.79
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	10	0.79
(1,1739)	1:61:A:HIS:HA	1:62:A:CYS:HB2	13	0.79
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	3	0.79
(1,1544)	1:86:A:SER:HB2	1:87:A:MET:HA	16	0.79
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	19	0.79
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	19	0.79
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	19	0.79
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	11	0.79
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	11	0.79
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	11	0.79
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	19	0.79
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	19	0.79
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	19	0.79
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	13	0.79
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	20	0.79
(1,967)	1:54:A:LEU:HD21	1:117:A:THR:H	9	0.79
(1,967)	1:54:A:LEU:HD22	1:117:A:THR:H	9	0.79
(1,967)	1:54:A:LEU:HD23	1:117:A:THR:H	9	0.79
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	14	0.79
(1,833)	1:9:A:THR:HA	1:14:A:GLN:HB3	8	0.79
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	3	0.79
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	3	0.79
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	3	0.79
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	3	0.79
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	3	0.79
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	3	0.79
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	3	0.79
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	3	0.79
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	3	0.79
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	2	0.79
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	2	0.79
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	2	0.79
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	1	0.79
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	1	0.79
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	16	0.79
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	19	0.79
(1,426)	1:33:A:ARG:HD2	1:99:A:GLU:HB2	6	0.79
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	4	0.79
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	4	0.79
(1,327)	1:106:A:PRO:HB3	1:110:A:VAL:HB	2	0.79
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	18	0.79
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	18	0.79
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	18	0.79
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	16	0.79
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	16	0.79
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	16	0.79
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	16	0.79
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	16	0.79
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	16	0.79
(1,259)	1:72:A:GLU:H	1:72:A:GLU:HG2	14	0.79
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	7	0.79
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	7	0.79
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	7	0.79
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	7	0.79
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	7	0.79
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	17	0.79
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	15	0.79
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	6	0.79
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	1	0.79
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	7	0.79
(1,84)	1:142:A:ARG:HA	1:142:A:ARG:HD2	2	0.79
(1,71)	1:39:A:SER:HA	1:40:A:PHE:HB3	9	0.79
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	15	0.78
(1,2292)	1:81:A:PHE:H	1:82:A:GLU:HB2	4	0.78
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	1	0.78
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	3	0.78
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	8	0.78
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	11	0.78
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	1	0.78
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	7	0.78
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	7	0.78
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	7	0.78
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	7	0.78
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	7	0.78
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:86:A:SER:HB2	1:87:A:MET:HA	4	0.78
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	15	0.78
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	15	0.78
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	15	0.78
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	15	0.78
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	15	0.78
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	15	0.78
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	15	0.78
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	15	0.78
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	15	0.78
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	3	0.78
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	3	0.78
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	3	0.78
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	7	0.78
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	7	0.78
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	7	0.78
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	11	0.78
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	11	0.78
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	11	0.78
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	9	0.78
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	9	0.78
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	9	0.78
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD21	18	0.78
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD22	18	0.78
(1,1109)	1:98:A:LEU:HA	1:98:A:LEU:HD23	18	0.78
(1,1054)	1:63:A:VAL:HG11	1:64:A:THR:H	20	0.78
(1,1054)	1:63:A:VAL:HG12	1:64:A:THR:H	20	0.78
(1,1054)	1:63:A:VAL:HG13	1:64:A:THR:H	20	0.78
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	9	0.78
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	14	0.78
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	14	0.78
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	14	0.78
(1,833)	1:9:A:THR:HA	1:14:A:GLN:HB3	19	0.78
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	3	0.78
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	3	0.78
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	3	0.78
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD11	19	0.78
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD12	19	0.78
(1,707)	1:124:A:TRP:HB2	1:127:A:LEU:HD13	19	0.78
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD11	19	0.78
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD12	19	0.78
(1,707)	1:124:A:TRP:HB3	1:127:A:LEU:HD13	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:35:A:CYS:HB2	1:64:A:THR:HA	15	0.78
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	19	0.78
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	6	0.78
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	6	0.78
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	12	0.78
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	5	0.78
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD11	1	0.78
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD12	1	0.78
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD13	1	0.78
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	19	0.78
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	8	0.78
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	11	0.78
(1,141)	1:71:A:ASP:HB3	1:72:A:GLU:HA	15	0.78
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	11	0.78
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD21	12	0.78
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD22	12	0.78
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD23	12	0.78
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	16	0.78
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	18	0.78
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	20	0.78
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	17	0.77
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	3	0.77
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	15	0.77
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	6	0.77
(1,2457)	1:39:A:SER:HB2	1:62:A:CYS:H	9	0.77
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	7	0.77
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	17	0.77
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	1	0.77
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	18	0.77
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	18	0.77
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	18	0.77
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	18	0.77
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	18	0.77
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	18	0.77
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	3	0.77
(1,1739)	1:61:A:HIS:HA	1:62:A:CYS:HB2	10	0.77
(1,1346)	1:30:A:PHE:HA	1:31:A:ARG:HB3	5	0.77
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	2	0.77
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	2	0.77
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	2	0.77
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	9	0.77
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	9	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	9	0.77
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	7	0.77
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	7	0.77
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	7	0.77
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	4	0.77
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	4	0.77
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	4	0.77
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	14	0.77
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	14	0.77
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	14	0.77
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	9	0.77
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	9	0.77
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	9	0.77
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB3	16	0.77
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB2	16	0.77
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	8	0.77
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	8	0.77
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	8	0.77
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	8	0.77
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	8	0.77
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	8	0.77
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	8	0.77
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	8	0.77
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	8	0.77
(1,765)	1:53:A:LEU:HD11	1:117:A:THR:H	7	0.77
(1,765)	1:53:A:LEU:HD12	1:117:A:THR:H	7	0.77
(1,765)	1:53:A:LEU:HD13	1:117:A:THR:H	7	0.77
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	18	0.77
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	18	0.77
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	18	0.77
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	17	0.77
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	17	0.77
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	17	0.77
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	5	0.77
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	5	0.77
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	5	0.77
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	5	0.77
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	5	0.77
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	5	0.77
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD11	20	0.77
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD12	20	0.77
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD13	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	12	0.77
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	12	0.77
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	12	0.77
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	2	0.77
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	2	0.77
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	8	0.77
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	13	0.77
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	20	0.77
(1,406)	1:37:A:VAL:HG11	1:94:A:GLN:HG2	3	0.77
(1,406)	1:37:A:VAL:HG12	1:94:A:GLN:HG2	3	0.77
(1,406)	1:37:A:VAL:HG13	1:94:A:GLN:HG2	3	0.77
(1,406)	1:37:A:VAL:HG21	1:94:A:GLN:HG2	3	0.77
(1,406)	1:37:A:VAL:HG22	1:94:A:GLN:HG2	3	0.77
(1,406)	1:37:A:VAL:HG23	1:94:A:GLN:HG2	3	0.77
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	1	0.77
(1,366)	1:14:A:GLN:HG2	1:16:A:ASN:HB3	8	0.77
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	20	0.77
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	1	0.77
(1,2967)	1:103:A:ASP:HB3	1:104:A:GLY:H	6	0.76
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	9	0.76
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	20	0.76
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	4	0.76
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	5	0.76
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	5	0.76
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	5	0.76
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	19	0.76
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	19	0.76
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	19	0.76
(1,2092)	1:66:A:GLU:HB2	1:68:A:TYR:HE1	11	0.76
(1,2092)	1:66:A:GLU:HB2	1:68:A:TYR:HE2	11	0.76
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	14	0.76
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	1	0.76
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	1	0.76
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	1	0.76
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	1	0.76
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	1	0.76
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	1	0.76
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	10	0.76
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	16	0.76
(1,1847)	1:145:A:PRO:HD2	1:147:A:GLU:HG3	2	0.76
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	17	0.76
(1,1682)	1:102:A:GLY:HA2	1:103:A:ASP:HA	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD21	3	0.76
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD22	3	0.76
(1,1110)	1:97:A:VAL:HA	1:98:A:LEU:HD23	3	0.76
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	2	0.76
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	2	0.76
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	2	0.76
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	15	0.76
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	15	0.76
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	15	0.76
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	14	0.76
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	14	0.76
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	14	0.76
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	12	0.76
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	12	0.76
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	12	0.76
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	12	0.76
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	12	0.76
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	12	0.76
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	12	0.76
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	12	0.76
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	12	0.76
(1,804)	1:10:A:LEU:HD11	1:81:A:PHE:HD1	12	0.76
(1,804)	1:10:A:LEU:HD11	1:81:A:PHE:HD2	12	0.76
(1,804)	1:10:A:LEU:HD12	1:81:A:PHE:HD1	12	0.76
(1,804)	1:10:A:LEU:HD12	1:81:A:PHE:HD2	12	0.76
(1,804)	1:10:A:LEU:HD13	1:81:A:PHE:HD1	12	0.76
(1,804)	1:10:A:LEU:HD13	1:81:A:PHE:HD2	12	0.76
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	16	0.76
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	16	0.76
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	16	0.76
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	16	0.76
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	16	0.76
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	16	0.76
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	4	0.76
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	4	0.76
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	8	0.76
(1,582)	1:127:A:LEU:HD21	1:128:A:PRO:HG3	7	0.76
(1,582)	1:127:A:LEU:HD22	1:128:A:PRO:HG3	7	0.76
(1,582)	1:127:A:LEU:HD23	1:128:A:PRO:HG3	7	0.76
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	11	0.76
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	10	0.76
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	15	0.76
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	16	0.76
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	19	0.76
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	20	0.76
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	2	0.76
(1,486)	1:35:A:CYS:HB2	1:36:A:THR:H	15	0.76
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	8	0.76
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	12	0.76
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	16	0.76
(1,327)	1:106:A:PRO:HB3	1:110:A:VAL:HB	14	0.76
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	7	0.76
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	7	0.76
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	7	0.76
(1,272)	1:38:A:GLU:HG2	1:58:A:GLY:HA2	12	0.76
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	5	0.76
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD1	10	0.76
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD2	10	0.76
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	13	0.76
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	17	0.76
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	17	0.76
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	17	0.76
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	8	0.75
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	8	0.75
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	8	0.75
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	1	0.75
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	1	0.75
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	1	0.75
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	7	0.75
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	8	0.75
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	8	0.75
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	8	0.75
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	18	0.75
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	10	0.75
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	5	0.75
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	5	0.75
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	17	0.75
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	17	0.75
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	11	0.75
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	8	0.75
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD11	13	0.75
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD12	13	0.75
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD13	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	11	0.75
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	11	0.75
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	11	0.75
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	11	0.75
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	11	0.75
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	11	0.75
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	14	0.75
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	14	0.75
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	14	0.75
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	10	0.75
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	12	0.75
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	12	0.75
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	12	0.75
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	16	0.75
(1,983)	1:10:A:LEU:HD21	1:19:A:VAL:H	12	0.75
(1,983)	1:10:A:LEU:HD22	1:19:A:VAL:H	12	0.75
(1,983)	1:10:A:LEU:HD23	1:19:A:VAL:H	12	0.75
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	19	0.75
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	19	0.75
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	19	0.75
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	19	0.75
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	19	0.75
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	19	0.75
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	19	0.75
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	19	0.75
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	19	0.75
(1,955)	1:97:A:VAL:HG11	1:100:A:TRP:HZ3	1	0.75
(1,955)	1:97:A:VAL:HG12	1:100:A:TRP:HZ3	1	0.75
(1,955)	1:97:A:VAL:HG13	1:100:A:TRP:HZ3	1	0.75
(1,931)	1:128:A:PRO:HA	1:129:A:TYR:HB3	7	0.75
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	14	0.75
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	14	0.75
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	14	0.75
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	3	0.75
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	3	0.75
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	3	0.75
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	6	0.75
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	6	0.75
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	6	0.75
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	6	0.75
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	6	0.75
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	6	0.75
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	6	0.75
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	6	0.75
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	17	0.75
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	17	0.75
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	17	0.75
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	17	0.75
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	17	0.75
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	17	0.75
(1,650)	1:53:A:LEU:HD21	1:63:A:VAL:HB	14	0.75
(1,650)	1:53:A:LEU:HD22	1:63:A:VAL:HB	14	0.75
(1,650)	1:53:A:LEU:HD23	1:63:A:VAL:HB	14	0.75
(1,592)	1:15:A:PRO:HG3	1:16:A:ASN:HD21	8	0.75
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	8	0.75
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	16	0.75
(1,539)	1:95:A:VAL:HG11	1:96:A:GLN:HB3	17	0.75
(1,539)	1:95:A:VAL:HG12	1:96:A:GLN:HB3	17	0.75
(1,539)	1:95:A:VAL:HG13	1:96:A:GLN:HB3	17	0.75
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	5	0.75
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	14	0.75
(1,489)	1:35:A:CYS:HB2	1:64:A:THR:HA	3	0.75
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	8	0.75
(1,382)	1:26:A:GLY:HA3	1:73:A:GLN:HG2	4	0.75
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	14	0.75
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	14	0.75
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	14	0.75
(1,271)	1:38:A:GLU:HG2	1:58:A:GLY:H	12	0.75
(1,228)	1:83:A:ASP:HB2	1:86:A:SER:HB2	8	0.75
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	6	0.75
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	8	0.75
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	12	0.75
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	18	0.74
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	18	0.74
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	3	0.74
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	15	0.74
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	6	0.74
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	11	0.74
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	13	0.74
(1,1346)	1:30:A:PHE:HA	1:31:A:ARG:HB3	20	0.74
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	10	0.74
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	10	0.74
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	18	0.74
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	18	0.74
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	18	0.74
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	18	0.74
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	18	0.74
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	18	0.74
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	17	0.74
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	10	0.74
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	10	0.74
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	10	0.74
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	11	0.74
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	11	0.74
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	11	0.74
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	10	0.74
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	4	0.74
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	4	0.74
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	4	0.74
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	8	0.74
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	9	0.74
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	17	0.74
(1,475)	1:91:A:THR:HB	1:93:A:LEU:HB2	6	0.74
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	10	0.74
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	10	0.74
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD21	7	0.74
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD22	7	0.74
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD23	7	0.74
(1,86)	1:146:A:ARG:HE	1:149:A:ARG:HD2	5	0.74
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	16	0.73
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	6	0.73
(1,2401)	1:93:A:LEU:H	1:112:A:CYS:HB2	18	0.73
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	20	0.73
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	20	0.73
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	20	0.73
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	10	0.73
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	10	0.73
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	10	0.73
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	15	0.73
(1,1544)	1:86:A:SER:HB2	1:87:A:MET:HA	8	0.73
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	7	0.73
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	7	0.73
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	7	0.73
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	7	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	7	0.73
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	7	0.73
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	1	0.73
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	1	0.73
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	1	0.73
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	6	0.73
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	12	0.73
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	12	0.73
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	12	0.73
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	2	0.73
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	2	0.73
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	2	0.73
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	15	0.73
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	15	0.73
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	15	0.73
(1,650)	1:53:A:LEU:HD21	1:63:A:VAL:HB	18	0.73
(1,650)	1:53:A:LEU:HD22	1:63:A:VAL:HB	18	0.73
(1,650)	1:53:A:LEU:HD23	1:63:A:VAL:HB	18	0.73
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD21	7	0.73
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD22	7	0.73
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD23	7	0.73
(1,640)	1:42:A:LEU:HD21	1:53:A:LEU:HG	20	0.73
(1,640)	1:42:A:LEU:HD22	1:53:A:LEU:HG	20	0.73
(1,640)	1:42:A:LEU:HD23	1:53:A:LEU:HG	20	0.73
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	6	0.73
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	7	0.73
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	18	0.73
(1,488)	1:35:A:CYS:HB2	1:65:A:GLY:H	15	0.73
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	6	0.73
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	2	0.73
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB2	9	0.73
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB3	9	0.73
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	13	0.73
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	13	0.73
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	13	0.73
(1,271)	1:38:A:GLU:HG2	1:58:A:GLY:H	2	0.73
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	17	0.73
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	17	0.73
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	17	0.73
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	20	0.73
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	10	0.73
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	10	0.73
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	20	0.73
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	20	0.73
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	20	0.73
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	17	0.73
(1,57)	1:102:A:GLY:HA2	1:103:A:ASP:HB2	3	0.73
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	20	0.72
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	19	0.72
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	1	0.72
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	20	0.72
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	20	0.72
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	20	0.72
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	18	0.72
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	4	0.72
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	1	0.72
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	4	0.72
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	8	0.72
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	14	0.72
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	14	0.72
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	14	0.72
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	14	0.72
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	14	0.72
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	14	0.72
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	4	0.72
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	4	0.72
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	7	0.72
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	11	0.72
(1,1541)	1:44:A:ILE:HG21	1:141:A:LEU:HD11	20	0.72
(1,1541)	1:44:A:ILE:HG21	1:141:A:LEU:HD12	20	0.72
(1,1541)	1:44:A:ILE:HG21	1:141:A:LEU:HD13	20	0.72
(1,1541)	1:44:A:ILE:HG22	1:141:A:LEU:HD11	20	0.72
(1,1541)	1:44:A:ILE:HG22	1:141:A:LEU:HD12	20	0.72
(1,1541)	1:44:A:ILE:HG22	1:141:A:LEU:HD13	20	0.72
(1,1541)	1:44:A:ILE:HG23	1:141:A:LEU:HD11	20	0.72
(1,1541)	1:44:A:ILE:HG23	1:141:A:LEU:HD12	20	0.72
(1,1541)	1:44:A:ILE:HG23	1:141:A:LEU:HD13	20	0.72
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	9	0.72
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	9	0.72
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	9	0.72
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	9	0.72
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	9	0.72
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	7	0.72
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	7	0.72
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	7	0.72
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	8	0.72
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	8	0.72
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	8	0.72
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	20	0.72
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	20	0.72
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	20	0.72
(1,984)	1:10:A:LEU:HD21	1:17:A:HIS:HA	15	0.72
(1,984)	1:10:A:LEU:HD22	1:17:A:HIS:HA	15	0.72
(1,984)	1:10:A:LEU:HD23	1:17:A:HIS:HA	15	0.72
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD1	9	0.72
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD2	9	0.72
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD1	9	0.72
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD2	9	0.72
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD1	9	0.72
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD2	9	0.72
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD1	16	0.72
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD2	16	0.72
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD1	16	0.72
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD2	16	0.72
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD1	16	0.72
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD2	16	0.72
(1,969)	1:54:A:LEU:HD21	1:120:A:TYR:H	17	0.72
(1,969)	1:54:A:LEU:HD22	1:120:A:TYR:H	17	0.72
(1,969)	1:54:A:LEU:HD23	1:120:A:TYR:H	17	0.72
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	15	0.72
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	6	0.72
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	6	0.72
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	6	0.72
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	6	0.72
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	6	0.72
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	6	0.72
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	3	0.72
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	3	0.72
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	3	0.72
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	1	0.72
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	9	0.72
(1,555)	1:32:A:GLY:HA3	1:33:A:ARG:HG2	16	0.72
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	13	0.72
(1,486)	1:35:A:CYS:HB2	1:36:A:THR:H	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	20	0.72
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	20	0.72
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	6	0.72
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	2	0.72
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	2	0.72
(1,87)	1:146:A:ARG:HA	1:149:A:ARG:HD2	16	0.72
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	1	0.72
(1,2942)	1:10:A:LEU:HD21	1:16:A:ASN:H	15	0.71
(1,2942)	1:10:A:LEU:HD22	1:16:A:ASN:H	15	0.71
(1,2942)	1:10:A:LEU:HD23	1:16:A:ASN:H	15	0.71
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	2	0.71
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	7	0.71
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	9	0.71
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	1	0.71
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	1	0.71
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	1	0.71
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	1	0.71
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	9	0.71
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	15	0.71
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	5	0.71
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	5	0.71
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	5	0.71
(1,2026)	1:31:A:ARG:HG2	1:100:A:TRP:HH2	18	0.71
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	18	0.71
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	7	0.71
(1,1544)	1:86:A:SER:HB2	1:87:A:MET:HA	20	0.71
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	7	0.71
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	7	0.71
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	7	0.71
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	7	0.71
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	7	0.71
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	7	0.71
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	15	0.71
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	4	0.71
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	4	0.71
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	4	0.71
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG11	2	0.71
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG12	2	0.71
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG13	2	0.71
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	6	0.71
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	6	0.71
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	14	0.71
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	14	0.71
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	14	0.71
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	4	0.71
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	4	0.71
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	4	0.71
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	7	0.71
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	7	0.71
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	7	0.71
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	1	0.71
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	3	0.71
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	7	0.71
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	7	0.71
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	7	0.71
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	18	0.71
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	18	0.71
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	18	0.71
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD1	3	0.71
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD2	3	0.71
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD1	3	0.71
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD2	3	0.71
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD1	3	0.71
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD2	3	0.71
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	5	0.71
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	5	0.71
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	5	0.71
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	7	0.71
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	7	0.71
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	7	0.71
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	14	0.71
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	14	0.71
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	14	0.71
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	12	0.71
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	12	0.71
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	12	0.71
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	5	0.71
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	14	0.71
(1,488)	1:35:A:CYS:HB2	1:65:A:GLY:H	17	0.71
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	20	0.71
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	11	0.71
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	7	0.71
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	9	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	19	0.71
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	15	0.7
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	2	0.7
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	2	0.7
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	6	0.7
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	6	0.7
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	20	0.7
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	20	0.7
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	20	0.7
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	20	0.7
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	20	0.7
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	20	0.7
(1,2084)	1:3:A:HIS:HD2	1:31:A:ARG:HG2	16	0.7
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	14	0.7
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	3	0.7
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	3	0.7
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	3	0.7
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	3	0.7
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	3	0.7
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	3	0.7
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	20	0.7
(1,1748)	1:39:A:SER:HB3	1:59:A:LYS:HA	4	0.7
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	3	0.7
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	3	0.7
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	3	0.7
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	14	0.7
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	14	0.7
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	14	0.7
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	18	0.7
(1,1549)	1:149:A:ARG:HA	1:149:A:ARG:HD2	13	0.7
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB1	7	0.7
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB2	7	0.7
(1,1422)	1:43:A:VAL:HG11	1:45:A:ALA:HB3	7	0.7
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB1	7	0.7
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB2	7	0.7
(1,1422)	1:43:A:VAL:HG12	1:45:A:ALA:HB3	7	0.7
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB1	7	0.7
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB2	7	0.7
(1,1422)	1:43:A:VAL:HG13	1:45:A:ALA:HB3	7	0.7
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	12	0.7
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	12	0.7
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	12	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	17	0.7
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	17	0.7
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	17	0.7
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	20	0.7
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	20	0.7
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	20	0.7
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	2	0.7
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	2	0.7
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	2	0.7
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD1	17	0.7
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD2	17	0.7
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD1	17	0.7
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD2	17	0.7
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD1	17	0.7
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD2	17	0.7
(1,954)	1:97:A:VAL:HG11	1:100:A:TRP:HD1	19	0.7
(1,954)	1:97:A:VAL:HG12	1:100:A:TRP:HD1	19	0.7
(1,954)	1:97:A:VAL:HG13	1:100:A:TRP:HD1	19	0.7
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD21	2	0.7
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD22	2	0.7
(1,778)	1:54:A:LEU:HD11	1:56:A:LEU:HD23	2	0.7
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD21	2	0.7
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD22	2	0.7
(1,778)	1:54:A:LEU:HD12	1:56:A:LEU:HD23	2	0.7
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD21	2	0.7
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD22	2	0.7
(1,778)	1:54:A:LEU:HD13	1:56:A:LEU:HD23	2	0.7
(1,686)	1:49:A:ASN:HA	1:141:A:LEU:HD11	20	0.7
(1,686)	1:49:A:ASN:HA	1:141:A:LEU:HD12	20	0.7
(1,686)	1:49:A:ASN:HA	1:141:A:LEU:HD13	20	0.7
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	4	0.7
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	1	0.7
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	7	0.7
(1,412)	1:83:A:ASP:HB3	1:87:A:MET:HB3	9	0.7
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	4	0.7
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	7	0.7
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	5	0.7
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	5	0.7
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	5	0.7
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	5	0.7
(1,214)	1:83:A:ASP:HB3	1:87:A:MET:HB2	19	0.7
(1,187)	1:22:A:ASP:HB2	1:24:A:SER:HB2	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	13	0.7
(1,150)	1:103:A:ASP:HB3	1:104:A:GLY:HA3	20	0.7
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	14	0.7
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	4	0.7
(1,3010)	1:26:A:GLY:H	1:73:A:GLN:HB2	15	0.69
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	4	0.69
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	2	0.69
(1,2505)	1:61:A:HIS:H	1:129:A:TYR:HB2	7	0.69
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	5	0.69
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	9	0.69
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	10	0.69
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE1	10	0.69
(1,2078)	1:43:A:VAL:HG21	1:129:A:TYR:HE2	10	0.69
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE1	10	0.69
(1,2078)	1:43:A:VAL:HG22	1:129:A:TYR:HE2	10	0.69
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE1	10	0.69
(1,2078)	1:43:A:VAL:HG23	1:129:A:TYR:HE2	10	0.69
(1,1933)	1:77:A:PHE:HD1	1:80:A:ASP:HB2	11	0.69
(1,1933)	1:77:A:PHE:HD2	1:80:A:ASP:HB2	11	0.69
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	1	0.69
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	1	0.69
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	14	0.69
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	6	0.69
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	17	0.69
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	8	0.69
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	8	0.69
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	8	0.69
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	5	0.69
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	5	0.69
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	5	0.69
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	7	0.69
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	7	0.69
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	7	0.69
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD21	13	0.69
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD22	13	0.69
(1,1077)	1:78:A:LEU:HA	1:78:A:LEU:HD23	13	0.69
(1,1054)	1:63:A:VAL:HG11	1:64:A:THR:H	14	0.69
(1,1054)	1:63:A:VAL:HG12	1:64:A:THR:H	14	0.69
(1,1054)	1:63:A:VAL:HG13	1:64:A:THR:H	14	0.69
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG21	20	0.69
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG22	20	0.69
(1,1049)	1:42:A:LEU:HB3	1:63:A:VAL:HG23	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	8	0.69
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	8	0.69
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	8	0.69
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	16	0.69
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	16	0.69
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	16	0.69
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	16	0.69
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	16	0.69
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	16	0.69
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	16	0.69
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	16	0.69
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	16	0.69
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	17	0.69
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	17	0.69
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	17	0.69
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	17	0.69
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	17	0.69
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	17	0.69
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	17	0.69
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	17	0.69
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	17	0.69
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	10	0.69
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	10	0.69
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	10	0.69
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD1	11	0.69
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD2	11	0.69
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD1	11	0.69
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD2	11	0.69
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD1	11	0.69
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD2	11	0.69
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	14	0.69
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	14	0.69
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	4	0.69
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	4	0.69
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	4	0.69
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	13	0.69
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	13	0.69
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	15	0.69
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	15	0.69
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	5	0.69
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	5	0.69
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	15	0.69
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	11	0.69
(1,2875)	1:86:A:SER:HB2	1:88:A:TYR:H	20	0.68
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	17	0.68
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG21	17	0.68
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG22	17	0.68
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG23	17	0.68
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	6	0.68
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	7	0.68
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	7	0.68
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	8	0.68
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	8	0.68
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	2	0.68
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	2	0.68
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	2	0.68
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	2	0.68
(1,1564)	1:79:A:ASP:HA	1:82:A:GLU:HG3	18	0.68
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	15	0.68
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	15	0.68
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	15	0.68
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	20	0.68
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	20	0.68
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	20	0.68
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	5	0.68
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	3	0.68
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	3	0.68
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	3	0.68
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	3	0.68
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	3	0.68
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	3	0.68
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	3	0.68
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	3	0.68
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	3	0.68
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG21	20	0.68
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG22	20	0.68
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG23	20	0.68
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG21	2	0.68
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG22	2	0.68
(1,972)	1:54:A:LEU:HD21	1:117:A:THR:HG23	2	0.68
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG21	2	0.68
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG22	2	0.68
(1,972)	1:54:A:LEU:HD22	1:117:A:THR:HG23	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG21	2	0.68
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG22	2	0.68
(1,972)	1:54:A:LEU:HD23	1:117:A:THR:HG23	2	0.68
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD21	2	0.68
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD22	2	0.68
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD23	2	0.68
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	16	0.68
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	15	0.68
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	15	0.68
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	15	0.68
(1,753)	1:42:A:LEU:HD21	1:53:A:LEU:HA	10	0.68
(1,753)	1:42:A:LEU:HD22	1:53:A:LEU:HA	10	0.68
(1,753)	1:42:A:LEU:HD23	1:53:A:LEU:HA	10	0.68
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	15	0.68
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	15	0.68
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	15	0.68
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	15	0.68
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	12	0.68
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	3	0.68
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	3	0.68
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	11	0.68
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	11	0.68
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	11	0.68
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	17	0.68
(1,187)	1:22:A:ASP:HB2	1:24:A:SER:HB2	15	0.68
(1,174)	1:42:A:LEU:HD11	1:133:A:TYR:HB3	14	0.68
(1,174)	1:42:A:LEU:HD12	1:133:A:TYR:HB3	14	0.68
(1,174)	1:42:A:LEU:HD13	1:133:A:TYR:HB3	14	0.68
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	11	0.68
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	4	0.68
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	16	0.68
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	20	0.67
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	11	0.67
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	20	0.67
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	7	0.67
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	7	0.67
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	7	0.67
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG21	20	0.67
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG22	20	0.67
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG23	20	0.67
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	20	0.67
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	20	0.67
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	8	0.67
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	5	0.67
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	10	0.67
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	16	0.67
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	16	0.67
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	14	0.67
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	14	0.67
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	5	0.67
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	5	0.67
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	20	0.67
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	20	0.67
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	18	0.67
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	18	0.67
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	6	0.67
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	6	0.67
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	6	0.67
(1,1346)	1:30:A:PHE:HA	1:31:A:ARG:HB3	18	0.67
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	13	0.67
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	13	0.67
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	13	0.67
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	18	0.67
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	18	0.67
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	18	0.67
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG11	5	0.67
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG12	5	0.67
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG13	5	0.67
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG21	6	0.67
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG22	6	0.67
(1,1238)	1:94:A:GLN:HA	1:95:A:VAL:HG23	6	0.67
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	4	0.67
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	4	0.67
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	4	0.67
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	12	0.67
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	12	0.67
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	12	0.67
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD1	20	0.67
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD2	20	0.67
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD1	20	0.67
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD2	20	0.67
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD1	20	0.67
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD2	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:97:A:VAL:HG11	1:100:A:TRP:HZ3	12	0.67
(1,955)	1:97:A:VAL:HG12	1:100:A:TRP:HZ3	12	0.67
(1,955)	1:97:A:VAL:HG13	1:100:A:TRP:HZ3	12	0.67
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	20	0.67
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	20	0.67
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	20	0.67
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	20	0.67
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	20	0.67
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	20	0.67
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	20	0.67
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	20	0.67
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	20	0.67
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	3	0.67
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	3	0.67
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	3	0.67
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	3	0.67
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	3	0.67
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	3	0.67
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	3	0.67
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	3	0.67
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	3	0.67
(1,539)	1:95:A:VAL:HG11	1:96:A:GLN:HB3	18	0.67
(1,539)	1:95:A:VAL:HG12	1:96:A:GLN:HB3	18	0.67
(1,539)	1:95:A:VAL:HG13	1:96:A:GLN:HB3	18	0.67
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	14	0.67
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	18	0.67
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	2	0.67
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	2	0.67
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	2	0.67
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	2	0.67
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	2	0.67
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	2	0.67
(1,269)	1:122:A:PRO:HA	1:123:A:GLU:HG2	11	0.67
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	6	0.67
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	6	0.67
(1,214)	1:83:A:ASP:HB3	1:87:A:MET:HB2	12	0.67
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	19	0.67
(1,126)	1:71:A:ASP:HB3	1:72:A:GLU:HG2	5	0.67
(1,101)	1:56:A:LEU:HB2	1:59:A:LYS:H	17	0.67
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	14	0.67
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	14	0.67
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	13	0.66
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	8	0.66
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	11	0.66
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	13	0.66
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	13	0.66
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	13	0.66
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	16	0.66
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	18	0.66
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	18	0.66
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	18	0.66
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	11	0.66
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE1	17	0.66
(1,2114)	1:78:A:LEU:HD11	1:115:A:TYR:HE2	17	0.66
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE1	17	0.66
(1,2114)	1:78:A:LEU:HD12	1:115:A:TYR:HE2	17	0.66
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE1	17	0.66
(1,2114)	1:78:A:LEU:HD13	1:115:A:TYR:HE2	17	0.66
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	16	0.66
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	19	0.66
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	12	0.66
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	12	0.66
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	12	0.66
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	12	0.66
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	12	0.66
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	12	0.66
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	2	0.66
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	2	0.66
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	1	0.66
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	1	0.66
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	5	0.66
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	7	0.66
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	16	0.66
(1,1545)	1:83:A:ASP:HB3	1:87:A:MET:HA	10	0.66
(1,1314)	1:53:A:LEU:HD11	1:116:A:THR:HA	18	0.66
(1,1314)	1:53:A:LEU:HD12	1:116:A:THR:HA	18	0.66
(1,1314)	1:53:A:LEU:HD13	1:116:A:THR:HA	18	0.66
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB3	6	0.66
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB3	6	0.66
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB3	6	0.66
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB2	6	0.66
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB2	6	0.66
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB2	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	1	0.66
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	1	0.66
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	1	0.66
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	10	0.66
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	10	0.66
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	10	0.66
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG21	17	0.66
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG22	17	0.66
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG23	17	0.66
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	7	0.66
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	7	0.66
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	7	0.66
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	1	0.66
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	1	0.66
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	1	0.66
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	10	0.66
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	10	0.66
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	10	0.66
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	20	0.66
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	20	0.66
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	20	0.66
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	19	0.66
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	20	0.66
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	20	0.66
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	5	0.66
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	9	0.66
(1,288)	1:147:A:GLU:H	1:147:A:GLU:HG3	16	0.66
(1,101)	1:56:A:LEU:HB2	1:59:A:LYS:H	4	0.66
(1,94)	1:33:A:ARG:H	1:33:A:ARG:HD2	17	0.66
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	3	0.66
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	15	0.66
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	17	0.66
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	14	0.66
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	14	0.65
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	10	0.65
(1,2766)	1:22:A:ASP:HB2	1:24:A:SER:H	3	0.65
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	19	0.65
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	17	0.65
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	19	0.65
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	19	0.65
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	19	0.65
(1,2401)	1:93:A:LEU:H	1:112:A:CYS:HB2	15	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	20	0.65
(1,2256)	1:97:A:VAL:HG11	1:100:A:TRP:H	12	0.65
(1,2256)	1:97:A:VAL:HG12	1:100:A:TRP:H	12	0.65
(1,2256)	1:97:A:VAL:HG13	1:100:A:TRP:H	12	0.65
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	5	0.65
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	1	0.65
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	1	0.65
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	1	0.65
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	13	0.65
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	13	0.65
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	13	0.65
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	13	0.65
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	13	0.65
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	13	0.65
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	3	0.65
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	3	0.65
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	14	0.65
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	14	0.65
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	5	0.65
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	2	0.65
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	5	0.65
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	1	0.65
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	10	0.65
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	6	0.65
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	10	0.65
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	12	0.65
(1,1363)	1:109:A:SER:HB3	1:110:A:VAL:HA	12	0.65
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	1	0.65
(1,1128)	1:97:A:VAL:HG21	1:110:A:VAL:HB	5	0.65
(1,1128)	1:97:A:VAL:HG22	1:110:A:VAL:HB	5	0.65
(1,1128)	1:97:A:VAL:HG23	1:110:A:VAL:HB	5	0.65
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	16	0.65
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	16	0.65
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	16	0.65
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	2	0.65
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	2	0.65
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	2	0.65
(1,978)	1:54:A:LEU:HD21	1:120:A:TYR:HB2	20	0.65
(1,978)	1:54:A:LEU:HD22	1:120:A:TYR:HB2	20	0.65
(1,978)	1:54:A:LEU:HD23	1:120:A:TYR:HB2	20	0.65
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	18	0.65
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	18	0.65
(1,953)	1:97:A:VAL:HG11	1:99:A:GLU:H	9	0.65
(1,953)	1:97:A:VAL:HG12	1:99:A:GLU:H	9	0.65
(1,953)	1:97:A:VAL:HG13	1:99:A:GLU:H	9	0.65
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	17	0.65
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	16	0.65
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	16	0.65
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	16	0.65
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	1	0.65
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	1	0.65
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	11	0.65
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	15	0.65
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD21	13	0.65
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD22	13	0.65
(1,398)	1:96:A:GLN:HG3	1:98:A:LEU:HD23	13	0.65
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	11	0.65
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	8	0.65
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	16	0.65
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	8	0.65
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	9	0.65
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	5	0.65
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	6	0.65
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	18	0.65
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	18	0.64
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	8	0.64
(1,2292)	1:81:A:PHE:H	1:82:A:GLU:HB2	5	0.64
(1,2271)	1:149:A:ARG:H	1:149:A:ARG:HD2	15	0.64
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	19	0.64
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	19	0.64
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	19	0.64
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	18	0.64
(1,1836)	1:41:A:PRO:HD2	1:59:A:LYS:H	10	0.64
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	15	0.64
(1,1748)	1:39:A:SER:HB3	1:59:A:LYS:HA	13	0.64
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	1	0.64
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	2	0.64
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	9	0.64
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	11	0.64
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	14	0.64
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	18	0.64
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	4	0.64
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	4	0.64
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG11	11	0.64
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG12	11	0.64
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG13	11	0.64
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	11	0.64
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	11	0.64
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	11	0.64
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	8	0.64
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	2	0.64
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	2	0.64
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	2	0.64
(1,955)	1:97:A:VAL:HG11	1:100:A:TRP:HZ3	9	0.64
(1,955)	1:97:A:VAL:HG12	1:100:A:TRP:HZ3	9	0.64
(1,955)	1:97:A:VAL:HG13	1:100:A:TRP:HZ3	9	0.64
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	8	0.64
(1,729)	1:42:A:LEU:HD11	1:133:A:TYR:HA	14	0.64
(1,729)	1:42:A:LEU:HD12	1:133:A:TYR:HA	14	0.64
(1,729)	1:42:A:LEU:HD13	1:133:A:TYR:HA	14	0.64
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	17	0.64
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	19	0.64
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	12	0.64
(1,428)	1:33:A:ARG:HD2	1:99:A:GLU:HB3	11	0.64
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	4	0.64
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	4	0.64
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	5	0.64
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	5	0.64
(1,343)	1:42:A:LEU:HD11	1:63:A:VAL:HB	18	0.64
(1,343)	1:42:A:LEU:HD12	1:63:A:VAL:HB	18	0.64
(1,343)	1:42:A:LEU:HD13	1:63:A:VAL:HB	18	0.64
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	19	0.64
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	19	0.64
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	19	0.64
(1,310)	1:32:A:GLY:HA2	1:101:A:GLU:HG3	2	0.64
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	6	0.64
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	6	0.64
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	6	0.64
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	8	0.63
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	3	0.63
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	11	0.63
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	19	0.63
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	20	0.63
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	3	0.63
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	1	0.63
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	1	0.63
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	1	0.63
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	14	0.63
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	14	0.63
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	14	0.63
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	6	0.63
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	12	0.63
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	12	0.63
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	12	0.63
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	4	0.63
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	5	0.63
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	8	0.63
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	16	0.63
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	16	0.63
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	16	0.63
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	9	0.63
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	9	0.63
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	9	0.63
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	1	0.63
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	1	0.63
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	1	0.63
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	19	0.63
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	19	0.63
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	19	0.63
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	16	0.63
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	16	0.63
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	16	0.63
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	18	0.63
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	18	0.63
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	18	0.63
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	18	0.63
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	18	0.63
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	18	0.63
(1,869)	1:95:A:VAL:HG11	1:97:A:VAL:HA	6	0.63
(1,869)	1:95:A:VAL:HG12	1:97:A:VAL:HA	6	0.63
(1,869)	1:95:A:VAL:HG13	1:97:A:VAL:HA	6	0.63
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	16	0.63
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	16	0.63
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	16	0.63
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	14	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	14	0.63
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	14	0.63
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	20	0.63
(1,440)	1:18:A:LYS:HA	1:20:A:MET:HG3	16	0.63
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	7	0.63
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	7	0.63
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	9	0.63
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	10	0.63
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	2	0.63
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	13	0.63
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	13	0.63
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	13	0.63
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD21	18	0.63
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD22	18	0.63
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD23	18	0.63
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	16	0.63
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	8	0.63
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	4	0.63
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	4	0.62
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	16	0.62
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	16	0.62
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	16	0.62
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	1	0.62
(1,2069)	1:120:A:TYR:HB3	1:124:A:TRP:HE3	9	0.62
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD11	2	0.62
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD12	2	0.62
(1,2024)	1:124:A:TRP:HD1	1:127:A:LEU:HD13	2	0.62
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	7	0.62
(1,1914)	1:5:A:PHE:HD1	1:112:A:CYS:HB2	18	0.62
(1,1914)	1:5:A:PHE:HD2	1:112:A:CYS:HB2	18	0.62
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	9	0.62
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	14	0.62
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	2	0.62
(1,1564)	1:79:A:ASP:HA	1:82:A:GLU:HG3	2	0.62
(1,1545)	1:83:A:ASP:HB3	1:87:A:MET:HA	18	0.62
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	12	0.62
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	16	0.62
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	16	0.62
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	16	0.62
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	4	0.62
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	8	0.62
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	8	0.62
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	6	0.62
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	6	0.62
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	6	0.62
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	19	0.62
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	19	0.62
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	19	0.62
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD21	16	0.62
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD22	16	0.62
(1,1066)	1:20:A:MET:HG2	1:21:A:LEU:HD23	16	0.62
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	15	0.62
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	15	0.62
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	15	0.62
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	9	0.62
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	18	0.62
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	18	0.62
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	18	0.62
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	1	0.62
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	16	0.62
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	20	0.62
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	19	0.62
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	15	0.62
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	18	0.62
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	18	0.62
(1,174)	1:42:A:LEU:HD11	1:133:A:TYR:HB3	20	0.62
(1,174)	1:42:A:LEU:HD12	1:133:A:TYR:HB3	20	0.62
(1,174)	1:42:A:LEU:HD13	1:133:A:TYR:HB3	20	0.62
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	1	0.62
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	5	0.62
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	7	0.62
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	9	0.62
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	9	0.62
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	8	0.62
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	4	0.62
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	11	0.61
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	8	0.61
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	16	0.61
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	4	0.61
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	4	0.61
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	4	0.61
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	12	0.61
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	12	0.61
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	18	0.61
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	18	0.61
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	18	0.61
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD21	13	0.61
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD22	13	0.61
(1,2321)	1:53:A:LEU:H	1:54:A:LEU:HD23	13	0.61
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	5	0.61
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	16	0.61
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	9	0.61
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	9	0.61
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	9	0.61
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	16	0.61
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	16	0.61
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	16	0.61
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	1	0.61
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	1	0.61
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	1	0.61
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	1	0.61
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	1	0.61
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	1	0.61
(1,1767)	1:54:A:LEU:HD21	1:120:A:TYR:HA	13	0.61
(1,1767)	1:54:A:LEU:HD22	1:120:A:TYR:HA	13	0.61
(1,1767)	1:54:A:LEU:HD23	1:120:A:TYR:HA	13	0.61
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	19	0.61
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	13	0.61
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	10	0.61
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	6	0.61
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG11	14	0.61
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG12	14	0.61
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG13	14	0.61
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	6	0.61
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	6	0.61
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	6	0.61
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	14	0.61
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	14	0.61
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	14	0.61
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	4	0.61
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	4	0.61
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	4	0.61
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	5	0.61
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	5	0.61
(1,1073)	1:6:A:VAL:HG21	1:10:A:LEU:HB3	12	0.61
(1,1073)	1:6:A:VAL:HG22	1:10:A:LEU:HB3	12	0.61
(1,1073)	1:6:A:VAL:HG23	1:10:A:LEU:HB3	12	0.61
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD21	5	0.61
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD22	5	0.61
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD23	5	0.61
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	12	0.61
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	12	0.61
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	12	0.61
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	12	0.61
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	12	0.61
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	12	0.61
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	17	0.61
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	17	0.61
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	17	0.61
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	17	0.61
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	17	0.61
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	17	0.61
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	17	0.61
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	17	0.61
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	17	0.61
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	15	0.61
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	15	0.61
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	15	0.61
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	1	0.61
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	1	0.61
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	1	0.61
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	5	0.61
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	5	0.61
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	5	0.61
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	3	0.61
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	3	0.61
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	3	0.61
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	3	0.61
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	3	0.61
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	3	0.61
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	3	0.61
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	3	0.61
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	3	0.61
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	18	0.61
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	18	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	18	0.61
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	18	0.61
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	18	0.61
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	18	0.61
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	18	0.61
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	18	0.61
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	18	0.61
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	9	0.61
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	8	0.61
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	8	0.61
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	15	0.61
(1,352)	1:15:A:PRO:HB3	1:16:A:ASN:HD21	19	0.61
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	3	0.61
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	3	0.61
(1,234)	1:15:A:PRO:HG3	1:143:A:TYR:HB2	17	0.61
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	1	0.61
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	12	0.61
(1,77)	1:26:A:GLY:HA3	1:73:A:GLN:HB2	15	0.61
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	6	0.61
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	4	0.6
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	10	0.6
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	17	0.6
(1,2858)	1:10:A:LEU:HD21	1:20:A:MET:H	15	0.6
(1,2858)	1:10:A:LEU:HD22	1:20:A:MET:H	15	0.6
(1,2858)	1:10:A:LEU:HD23	1:20:A:MET:H	15	0.6
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	20	0.6
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	16	0.6
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	13	0.6
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	5	0.6
(1,2448)	1:140:A:GLY:HA3	1:142:A:ARG:H	7	0.6
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	5	0.6
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	5	0.6
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	5	0.6
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	4	0.6
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	14	0.6
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	14	0.6
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	7	0.6
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	7	0.6
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	20	0.6
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	20	0.6
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	20	0.6
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:30:A:PHE:HA	1:31:A:ARG:HB3	7	0.6
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	14	0.6
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	14	0.6
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	14	0.6
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB3	18	0.6
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB3	18	0.6
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB3	18	0.6
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB2	18	0.6
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB2	18	0.6
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB2	18	0.6
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	3	0.6
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	3	0.6
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	3	0.6
(1,1128)	1:97:A:VAL:HG21	1:110:A:VAL:HB	17	0.6
(1,1128)	1:97:A:VAL:HG22	1:110:A:VAL:HB	17	0.6
(1,1128)	1:97:A:VAL:HG23	1:110:A:VAL:HB	17	0.6
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	9	0.6
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	9	0.6
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	9	0.6
(1,946)	1:37:A:VAL:HG11	1:96:A:GLN:HB3	13	0.6
(1,946)	1:37:A:VAL:HG12	1:96:A:GLN:HB3	13	0.6
(1,946)	1:37:A:VAL:HG13	1:96:A:GLN:HB3	13	0.6
(1,946)	1:37:A:VAL:HG21	1:96:A:GLN:HB3	13	0.6
(1,946)	1:37:A:VAL:HG22	1:96:A:GLN:HB3	13	0.6
(1,946)	1:37:A:VAL:HG23	1:96:A:GLN:HB3	13	0.6
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG21	17	0.6
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG22	17	0.6
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG23	17	0.6
(1,716)	1:139:A:HIS:HB2	1:141:A:LEU:HG	20	0.6
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD11	2	0.6
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD12	2	0.6
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD13	2	0.6
(1,491)	1:35:A:CYS:HB2	1:64:A:THR:HB	17	0.6
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	15	0.6
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	1	0.6
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	1	0.6
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	10	0.6
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	16	0.6
(1,101)	1:56:A:LEU:HB2	1:59:A:LYS:H	12	0.6
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	9	0.6
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	12	0.6
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	12	0.59
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	12	0.59
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	12	0.59
(1,2572)	1:147:A:GLU:HG3	1:148:A:ASN:H	2	0.59
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	6	0.59
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	6	0.59
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	6	0.59
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	15	0.59
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	20	0.59
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	20	0.59
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	20	0.59
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	16	0.59
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	4	0.59
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	4	0.59
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	4	0.59
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	4	0.59
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	4	0.59
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	4	0.59
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	16	0.59
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	16	0.59
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG21	18	0.59
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG22	18	0.59
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG23	18	0.59
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	17	0.59
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	17	0.59
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	17	0.59
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	12	0.59
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	12	0.59
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	12	0.59
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	1	0.59
(1,978)	1:54:A:LEU:HD21	1:120:A:TYR:HB2	16	0.59
(1,978)	1:54:A:LEU:HD22	1:120:A:TYR:HB2	16	0.59
(1,978)	1:54:A:LEU:HD23	1:120:A:TYR:HB2	16	0.59
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	5	0.59
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	17	0.59
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	17	0.59
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	17	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	1	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	1	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	1	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	16	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	16	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	20	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	20	0.59
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	20	0.59
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	2	0.59
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	2	0.59
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	6	0.59
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	20	0.59
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	9	0.59
(1,489)	1:35:A:CYS:HB2	1:64:A:THR:HA	10	0.59
(1,488)	1:35:A:CYS:HB2	1:65:A:GLY:H	10	0.59
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	19	0.59
(1,210)	1:83:A:ASP:HB3	1:88:A:TYR:H	18	0.59
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	11	0.59
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	15	0.59
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	6	0.59
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	17	0.58
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	17	0.58
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	17	0.58
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	8	0.58
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	1	0.58
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	16	0.58
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	16	0.58
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	16	0.58
(1,2092)	1:66:A:GLU:HB2	1:68:A:TYR:HE1	17	0.58
(1,2092)	1:66:A:GLU:HB2	1:68:A:TYR:HE2	17	0.58
(1,2084)	1:3:A:HIS:HD2	1:31:A:ARG:HG2	20	0.58
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	12	0.58
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	17	0.58
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	17	0.58
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	17	0.58
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	10	0.58
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	10	0.58
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	10	0.58
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	11	0.58
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	11	0.58
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	11	0.58
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG21	14	0.58
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG22	14	0.58
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG23	14	0.58
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG21	20	0.58
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG22	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1171)	1:62:A:CYS:HA	1:63:A:VAL:HG23	20	0.58
(1,1131)	1:114:A:VAL:HG21	1:115:A:TYR:H	14	0.58
(1,1131)	1:114:A:VAL:HG22	1:115:A:TYR:H	14	0.58
(1,1131)	1:114:A:VAL:HG23	1:115:A:TYR:H	14	0.58
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	11	0.58
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	17	0.58
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	17	0.58
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	17	0.58
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD21	19	0.58
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD22	19	0.58
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD23	19	0.58
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG21	15	0.58
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG22	15	0.58
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG23	15	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	3	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	3	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	3	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	5	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	5	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	5	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	7	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	7	0.58
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	7	0.58
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	16	0.58
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	16	0.58
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	16	0.58
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	15	0.58
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	15	0.58
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	15	0.58
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	15	0.58
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	15	0.58
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	15	0.58
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD11	13	0.58
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD12	13	0.58
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD13	13	0.58
(1,539)	1:95:A:VAL:HG11	1:96:A:GLN:HB3	15	0.58
(1,539)	1:95:A:VAL:HG12	1:96:A:GLN:HB3	15	0.58
(1,539)	1:95:A:VAL:HG13	1:96:A:GLN:HB3	15	0.58
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	18	0.58
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	3	0.58
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	8	0.58
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	14	0.58
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	14	0.58
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	14	0.58
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	14	0.58
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	13	0.58
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	16	0.58
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	16	0.58
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	16	0.58
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	11	0.58
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	19	0.58
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	11	0.58
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	11	0.58
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	11	0.58
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	11	0.58
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	13	0.58
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	18	0.58
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	12	0.58
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	1	0.57
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	2	0.57
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	19	0.57
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	14	0.57
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	1	0.57
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	7	0.57
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	17	0.57
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	8	0.57
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	19	0.57
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	10	0.57
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	19	0.57
(1,1191)	1:43:A:VAL:HG21	1:129:A:TYR:HA	7	0.57
(1,1191)	1:43:A:VAL:HG22	1:129:A:TYR:HA	7	0.57
(1,1191)	1:43:A:VAL:HG23	1:129:A:TYR:HA	7	0.57
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	2	0.57
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	2	0.57
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	2	0.57
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	16	0.57
(1,984)	1:10:A:LEU:HD21	1:17:A:HIS:HA	16	0.57
(1,984)	1:10:A:LEU:HD22	1:17:A:HIS:HA	16	0.57
(1,984)	1:10:A:LEU:HD23	1:17:A:HIS:HA	16	0.57
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	3	0.57
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	3	0.57
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	3	0.57
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	14	0.57
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	17	0.57
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	10	0.57
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	10	0.57
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	10	0.57
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD11	19	0.57
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD12	19	0.57
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD13	19	0.57
(1,664)	1:36:A:THR:H	1:62:A:CYS:HB3	10	0.57
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	15	0.57
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	1	0.57
(1,555)	1:32:A:GLY:HA3	1:33:A:ARG:HG2	6	0.57
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	4	0.57
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	13	0.57
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	18	0.57
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	18	0.57
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	18	0.57
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB2	10	0.57
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB3	10	0.57
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	8	0.57
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	8	0.57
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	2	0.57
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	2	0.57
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	2	0.57
(1,154)	1:108:A:ASP:HB2	1:109:A:SER:HB2	10	0.57
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	15	0.57
(1,87)	1:146:A:ARG:HA	1:149:A:ARG:HD2	9	0.57
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	6	0.57
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	18	0.57
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	18	0.57
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	18	0.57
(1,2885)	1:49:A:ASN:HD22	1:141:A:LEU:HG	12	0.56
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	13	0.56
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	12	0.56
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	8	0.56
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	8	0.56
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	8	0.56
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	13	0.56
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	16	0.56
(1,1303)	1:18:A:LYS:HA	1:19:A:VAL:HG21	11	0.56
(1,1303)	1:18:A:LYS:HA	1:19:A:VAL:HG22	11	0.56
(1,1303)	1:18:A:LYS:HA	1:19:A:VAL:HG23	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	5	0.56
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	5	0.56
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	5	0.56
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	8	0.56
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	8	0.56
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	8	0.56
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG21	14	0.56
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG22	14	0.56
(1,1048)	1:61:A:HIS:HB2	1:63:A:VAL:HG23	14	0.56
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG21	15	0.56
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG22	15	0.56
(1,1035)	1:35:A:CYS:HB2	1:64:A:THR:HG23	15	0.56
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	16	0.56
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	16	0.56
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	16	0.56
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	4	0.56
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	4	0.56
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	4	0.56
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG21	3	0.56
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG22	3	0.56
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG23	3	0.56
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	2	0.56
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	15	0.56
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	4	0.56
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	4	0.56
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	4	0.56
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	20	0.56
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	20	0.56
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	20	0.56
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	10	0.56
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	10	0.56
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	10	0.56
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	7	0.56
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	7	0.56
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	7	0.56
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	13	0.56
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	13	0.56
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	20	0.56
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	20	0.56
(1,556)	1:37:A:VAL:H	1:96:A:GLN:HB3	13	0.56
(1,543)	1:35:A:CYS:HB2	1:96:A:GLN:HB2	12	0.56
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:35:A:CYS:HB2	1:36:A:THR:H	3	0.56
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	14	0.56
(1,405)	1:94:A:GLN:HG2	1:109:A:SER:HB2	1	0.56
(1,405)	1:94:A:GLN:HG2	1:109:A:SER:HB3	1	0.56
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	2	0.56
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	11	0.56
(1,327)	1:106:A:PRO:HB3	1:110:A:VAL:HB	11	0.56
(1,293)	1:69:A:GLU:HG3	1:70:A:VAL:HA	20	0.56
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	11	0.56
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	11	0.56
(1,174)	1:42:A:LEU:HD11	1:133:A:TYR:HB3	17	0.56
(1,174)	1:42:A:LEU:HD12	1:133:A:TYR:HB3	17	0.56
(1,174)	1:42:A:LEU:HD13	1:133:A:TYR:HB3	17	0.56
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	19	0.56
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	19	0.56
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	20	0.56
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	20	0.56
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	16	0.56
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	11	0.56
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	8	0.56
(1,2815)	1:11:A:LYS:H	1:11:A:LYS:HB2	17	0.55
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	12	0.55
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	5	0.55
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	5	0.55
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	5	0.55
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	14	0.55
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	7	0.55
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	10	0.55
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	10	0.55
(1,2029)	1:97:A:VAL:HG11	1:100:A:TRP:HE3	14	0.55
(1,2029)	1:97:A:VAL:HG12	1:100:A:TRP:HE3	14	0.55
(1,2029)	1:97:A:VAL:HG13	1:100:A:TRP:HE3	14	0.55
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	8	0.55
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	8	0.55
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	15	0.55
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	15	0.55
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	20	0.55
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	9	0.55
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	5	0.55
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	14	0.55
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	1	0.55
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	2	0.55
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	2	0.55
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	2	0.55
(1,1228)	1:95:A:VAL:HG11	1:96:A:GLN:HA	17	0.55
(1,1228)	1:95:A:VAL:HG12	1:96:A:GLN:HA	17	0.55
(1,1228)	1:95:A:VAL:HG13	1:96:A:GLN:HA	17	0.55
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	8	0.55
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	8	0.55
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	8	0.55
(1,1148)	1:97:A:VAL:HG21	1:110:A:VAL:H	12	0.55
(1,1148)	1:97:A:VAL:HG22	1:110:A:VAL:H	12	0.55
(1,1148)	1:97:A:VAL:HG23	1:110:A:VAL:H	12	0.55
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	11	0.55
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	11	0.55
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	11	0.55
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	19	0.55
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	19	0.55
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	19	0.55
(1,1131)	1:114:A:VAL:HG21	1:115:A:TYR:H	18	0.55
(1,1131)	1:114:A:VAL:HG22	1:115:A:TYR:H	18	0.55
(1,1131)	1:114:A:VAL:HG23	1:115:A:TYR:H	18	0.55
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD21	16	0.55
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD22	16	0.55
(1,1108)	1:96:A:GLN:HE21	1:98:A:LEU:HD23	16	0.55
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD21	16	0.55
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD22	16	0.55
(1,1108)	1:96:A:GLN:HE22	1:98:A:LEU:HD23	16	0.55
(1,955)	1:97:A:VAL:HG11	1:100:A:TRP:HZ3	8	0.55
(1,955)	1:97:A:VAL:HG12	1:100:A:TRP:HZ3	8	0.55
(1,955)	1:97:A:VAL:HG13	1:100:A:TRP:HZ3	8	0.55
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	13	0.55
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	3	0.55
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	13	0.55
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	16	0.55
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	14	0.55
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	14	0.55
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	14	0.55
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	18	0.55
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	18	0.55
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	18	0.55
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	18	0.55
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	18	0.55
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	18	0.55
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	18	0.55
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	18	0.55
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	6	0.55
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	6	0.55
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	6	0.55
(1,751)	1:56:A:LEU:HD11	1:59:A:LYS:H	4	0.55
(1,751)	1:56:A:LEU:HD12	1:59:A:LYS:H	4	0.55
(1,751)	1:56:A:LEU:HD13	1:59:A:LYS:H	4	0.55
(1,723)	1:42:A:LEU:HD11	1:130:A:HIS:H	16	0.55
(1,723)	1:42:A:LEU:HD12	1:130:A:HIS:H	16	0.55
(1,723)	1:42:A:LEU:HD13	1:130:A:HIS:H	16	0.55
(1,664)	1:36:A:THR:H	1:62:A:CYS:HB3	3	0.55
(1,584)	1:127:A:LEU:HD21	1:128:A:PRO:HG2	2	0.55
(1,584)	1:127:A:LEU:HD22	1:128:A:PRO:HG2	2	0.55
(1,584)	1:127:A:LEU:HD23	1:128:A:PRO:HG2	2	0.55
(1,555)	1:32:A:GLY:HA3	1:33:A:ARG:HG2	11	0.55
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	1	0.55
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	1	0.55
(1,486)	1:35:A:CYS:HB2	1:36:A:THR:H	10	0.55
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	8	0.55
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	20	0.55
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	9	0.54
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	9	0.54
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	9	0.54
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	19	0.54
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	1	0.54
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	3	0.54
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	20	0.54
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	2	0.54
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	19	0.54
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	1	0.54
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	1	0.54
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	1	0.54
(1,2573)	1:147:A:GLU:HB2	1:148:A:ASN:H	16	0.54
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	4	0.54
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	7	0.54
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	8	0.54
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	4	0.54
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	8	0.54
(1,2094)	1:139:A:HIS:HB2	1:139:A:HIS:HD2	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	15	0.54
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	15	0.54
(1,2049)	1:42:A:LEU:HD11	1:130:A:HIS:HD2	14	0.54
(1,2049)	1:42:A:LEU:HD12	1:130:A:HIS:HD2	14	0.54
(1,2049)	1:42:A:LEU:HD13	1:130:A:HIS:HD2	14	0.54
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	9	0.54
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	6	0.54
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	16	0.54
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	16	0.54
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	16	0.54
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	16	0.54
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	16	0.54
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	16	0.54
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	16	0.54
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	16	0.54
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	16	0.54
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	12	0.54
(1,1348)	1:6:A:VAL:HG11	1:66:A:GLU:H	3	0.54
(1,1348)	1:6:A:VAL:HG12	1:66:A:GLU:H	3	0.54
(1,1348)	1:6:A:VAL:HG13	1:66:A:GLU:H	3	0.54
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	3	0.54
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG11	11	0.54
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG12	11	0.54
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG13	11	0.54
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG11	15	0.54
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG12	15	0.54
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG13	15	0.54
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	19	0.54
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	19	0.54
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	19	0.54
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	7	0.54
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	7	0.54
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	7	0.54
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	12	0.54
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	12	0.54
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	12	0.54
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG21	12	0.54
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG22	12	0.54
(1,1122)	1:96:A:GLN:H	1:97:A:VAL:HG23	12	0.54
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	1	0.54
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	1	0.54
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	8	0.54
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	8	0.54
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	8	0.54
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	16	0.54
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	16	0.54
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	16	0.54
(1,980)	1:10:A:LEU:HD21	1:18:A:LYS:H	12	0.54
(1,980)	1:10:A:LEU:HD22	1:18:A:LYS:H	12	0.54
(1,980)	1:10:A:LEU:HD23	1:18:A:LYS:H	12	0.54
(1,957)	1:97:A:VAL:HG11	1:99:A:GLU:HA	8	0.54
(1,957)	1:97:A:VAL:HG12	1:99:A:GLU:HA	8	0.54
(1,957)	1:97:A:VAL:HG13	1:99:A:GLU:HA	8	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	2	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	2	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	2	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	9	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	9	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	9	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	16	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	16	0.54
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	16	0.54
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	1	0.54
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	1	0.54
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	1	0.54
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	4	0.54
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	4	0.54
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	4	0.54
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	16	0.54
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	16	0.54
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	16	0.54
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD21	2	0.54
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD22	2	0.54
(1,752)	1:42:A:LEU:HA	1:42:A:LEU:HD23	2	0.54
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD11	20	0.54
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD12	20	0.54
(1,705)	1:124:A:TRP:HA	1:127:A:LEU:HD13	20	0.54
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	14	0.54
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	14	0.54
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	14	0.54
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	3	0.54
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	3	0.54
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:43:A:VAL:HA	1:44:A:ILE:HG12	1	0.54
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	15	0.54
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	15	0.54
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	16	0.54
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	16	0.54
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	14	0.54
(1,406)	1:37:A:VAL:HG11	1:94:A:GLN:HG2	7	0.54
(1,406)	1:37:A:VAL:HG12	1:94:A:GLN:HG2	7	0.54
(1,406)	1:37:A:VAL:HG13	1:94:A:GLN:HG2	7	0.54
(1,406)	1:37:A:VAL:HG21	1:94:A:GLN:HG2	7	0.54
(1,406)	1:37:A:VAL:HG22	1:94:A:GLN:HG2	7	0.54
(1,406)	1:37:A:VAL:HG23	1:94:A:GLN:HG2	7	0.54
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	3	0.54
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD21	18	0.54
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD22	18	0.54
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD23	18	0.54
(1,228)	1:83:A:ASP:HB2	1:86:A:SER:HB2	20	0.54
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	1	0.54
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	1	0.54
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	1	0.54
(1,153)	1:108:A:ASP:HB2	1:109:A:SER:H	4	0.54
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	13	0.54
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	3	0.54
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	3	0.54
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	18	0.54
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	19	0.53
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	4	0.53
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	4	0.53
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	4	0.53
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	14	0.53
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG21	14	0.53
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG22	14	0.53
(1,2452)	1:62:A:CYS:H	1:63:A:VAL:HG23	14	0.53
(1,2449)	1:142:A:ARG:H	1:142:A:ARG:HD2	12	0.53
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	11	0.53
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	12	0.53
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	20	0.53
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	20	0.53
(1,1847)	1:145:A:PRO:HD2	1:147:A:GLU:HG3	16	0.53
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	6	0.53
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	6	0.53
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	10	0.53
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	14	0.53
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	17	0.53
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	8	0.53
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	9	0.53
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	9	0.53
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	9	0.53
(1,1082)	1:85:A:PRO:HG3	1:86:A:SER:HA	4	0.53
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	5	0.53
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	12	0.53
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	12	0.53
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	12	0.53
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	12	0.53
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	12	0.53
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	12	0.53
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	12	0.53
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	12	0.53
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	12	0.53
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	12	0.53
(1,698)	1:44:A:ILE:HB	1:141:A:LEU:HD11	20	0.53
(1,698)	1:44:A:ILE:HB	1:141:A:LEU:HD12	20	0.53
(1,698)	1:44:A:ILE:HB	1:141:A:LEU:HD13	20	0.53
(1,667)	1:35:A:CYS:HB3	1:62:A:CYS:HB3	13	0.53
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	7	0.53
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	7	0.53
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	7	0.53
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	7	0.53
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	7	0.53
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	7	0.53
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	7	0.53
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	7	0.53
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	7	0.53
(1,624)	1:146:A:ARG:HG3	1:147:A:GLU:H	5	0.53
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	9	0.53
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	10	0.53
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	11	0.53
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	6	0.53
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	16	0.53
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	16	0.53
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	16	0.53
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	7	0.52
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	5	0.52
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	8	0.52
(1,2572)	1:147:A:GLU:HG3	1:148:A:ASN:H	19	0.52
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	5	0.52
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	5	0.52
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	19	0.52
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	9	0.52
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	16	0.52
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	2	0.52
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	8	0.52
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	8	0.52
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	11	0.52
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	14	0.52
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	14	0.52
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	14	0.52
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	14	0.52
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	14	0.52
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	14	0.52
(1,1884)	1:82:A:GLU:HB2	1:88:A:TYR:HD1	6	0.52
(1,1884)	1:82:A:GLU:HB2	1:88:A:TYR:HD2	6	0.52
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	6	0.52
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG21	12	0.52
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG22	12	0.52
(1,1672)	1:96:A:GLN:HA	1:97:A:VAL:HG23	12	0.52
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	19	0.52
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	3	0.52
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	3	0.52
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	3	0.52
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	20	0.52
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	20	0.52
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	20	0.52
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	6	0.52
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	10	0.52
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	10	0.52
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	10	0.52
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG21	15	0.52
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG22	15	0.52
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG23	15	0.52
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG21	15	0.52
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG22	15	0.52
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG23	15	0.52
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG21	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG22	15	0.52
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG23	15	0.52
(1,1223)	1:91:A:THR:HG21	1:93:A:LEU:HB2	11	0.52
(1,1223)	1:91:A:THR:HG22	1:93:A:LEU:HB2	11	0.52
(1,1223)	1:91:A:THR:HG23	1:93:A:LEU:HB2	11	0.52
(1,1118)	1:21:A:LEU:HD21	1:22:A:ASP:H	7	0.52
(1,1118)	1:21:A:LEU:HD22	1:22:A:ASP:H	7	0.52
(1,1118)	1:21:A:LEU:HD23	1:22:A:ASP:H	7	0.52
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	1	0.52
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	1	0.52
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	1	0.52
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	1	0.52
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	1	0.52
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	1	0.52
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	1	0.52
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	1	0.52
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	1	0.52
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	3	0.52
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	3	0.52
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	3	0.52
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	12	0.52
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	15	0.52
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	15	0.52
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	15	0.52
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	18	0.52
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	18	0.52
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	18	0.52
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD11	17	0.52
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD12	17	0.52
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD13	17	0.52
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD11	17	0.52
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD12	17	0.52
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD13	17	0.52
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD11	17	0.52
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD12	17	0.52
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD13	17	0.52
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	18	0.52
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	18	0.52
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	18	0.52
(1,624)	1:146:A:ARG:HG3	1:147:A:GLU:H	3	0.52
(1,624)	1:146:A:ARG:HG3	1:147:A:GLU:H	10	0.52
(1,624)	1:146:A:ARG:HG3	1:147:A:GLU:H	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	6	0.52
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	6	0.52
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	20	0.52
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	20	0.52
(1,600)	1:17:A:HIS:HB3	1:18:A:LYS:HA	2	0.52
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	5	0.52
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	5	0.52
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	16	0.52
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	16	0.52
(1,382)	1:26:A:GLY:HA3	1:73:A:GLN:HG2	11	0.52
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	9	0.52
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	9	0.52
(1,234)	1:15:A:PRO:HG3	1:143:A:TYR:HB2	19	0.52
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	10	0.52
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	16	0.52
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	16	0.52
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	12	0.52
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	19	0.52
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	16	0.52
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	16	0.52
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	17	0.52
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	15	0.51
(1,2815)	1:11:A:LYS:H	1:11:A:LYS:HB2	11	0.51
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	15	0.51
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	19	0.51
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	5	0.51
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	3	0.51
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	10	0.51
(1,2505)	1:61:A:HIS:H	1:129:A:TYR:HB2	9	0.51
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	15	0.51
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	17	0.51
(1,2093)	1:6:A:VAL:HG11	1:68:A:TYR:HE1	4	0.51
(1,2093)	1:6:A:VAL:HG11	1:68:A:TYR:HE2	4	0.51
(1,2093)	1:6:A:VAL:HG12	1:68:A:TYR:HE1	4	0.51
(1,2093)	1:6:A:VAL:HG12	1:68:A:TYR:HE2	4	0.51
(1,2093)	1:6:A:VAL:HG13	1:68:A:TYR:HE1	4	0.51
(1,2093)	1:6:A:VAL:HG13	1:68:A:TYR:HE2	4	0.51
(1,2084)	1:3:A:HIS:HD2	1:31:A:ARG:HG2	5	0.51
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	3	0.51
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	3	0.51
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	3	0.51
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	1	0.51
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	1	0.51
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	1	0.51
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	1	0.51
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	1	0.51
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	1	0.51
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	20	0.51
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	20	0.51
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	20	0.51
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	20	0.51
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	20	0.51
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	20	0.51
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	13	0.51
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	13	0.51
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	13	0.51
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	8	0.51
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	8	0.51
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	8	0.51
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	8	0.51
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	8	0.51
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	8	0.51
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	2	0.51
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	2	0.51
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	2	0.51
(1,1253)	1:44:A:ILE:HG13	1:51:A:PRO:HA	15	0.51
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	13	0.51
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	13	0.51
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	13	0.51
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	20	0.51
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	20	0.51
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	20	0.51
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	20	0.51
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	17	0.51
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	17	0.51
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	17	0.51
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	11	0.51
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	11	0.51
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	11	0.51
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	17	0.51
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	17	0.51
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	17	0.51
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	11	0.51
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	11	0.51
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	10	0.51
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	17	0.51
(1,431)	1:33:A:ARG:HE	1:99:A:GLU:HB3	3	0.51
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	4	0.51
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	1	0.51
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	1	0.51
(1,293)	1:69:A:GLU:HG3	1:70:A:VAL:HA	11	0.51
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	1	0.51
(1,227)	1:48:A:HIS:HB3	1:144:A:ASN:HB3	4	0.51
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	11	0.51
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	5	0.51
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	8	0.51
(1,143)	1:18:A:LYS:HB2	1:18:A:LYS:HE2	15	0.51
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	17	0.51
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	6	0.5
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	14	0.5
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	16	0.5
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	17	0.5
(1,2829)	1:89:A:GLN:H	1:89:A:GLN:HE22	4	0.5
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	18	0.5
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	18	0.5
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	18	0.5
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	12	0.5
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	4	0.5
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	14	0.5
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	14	0.5
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	14	0.5
(1,2069)	1:120:A:TYR:HB3	1:124:A:TRP:HE3	17	0.5
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	3	0.5
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	9	0.5
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	1	0.5
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	1	0.5
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	6	0.5
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	6	0.5
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	9	0.5
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	9	0.5
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	11	0.5
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	11	0.5
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	1	0.5
(1,1645)	1:96:A:GLN:HA	1:108:A:ASP:HB2	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	8	0.5
(1,1549)	1:149:A:ARG:HA	1:149:A:ARG:HD2	15	0.5
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD21	7	0.5
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD22	7	0.5
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD23	7	0.5
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD21	7	0.5
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD22	7	0.5
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD23	7	0.5
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD21	7	0.5
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD22	7	0.5
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD23	7	0.5
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	4	0.5
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	4	0.5
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	4	0.5
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	19	0.5
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	19	0.5
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	19	0.5
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	8	0.5
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	8	0.5
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	8	0.5
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	16	0.5
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	16	0.5
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	16	0.5
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD21	6	0.5
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD22	6	0.5
(1,878)	1:27:A:LEU:HA	1:27:A:LEU:HD23	6	0.5
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	1	0.5
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	1	0.5
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	1	0.5
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	1	0.5
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	1	0.5
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	1	0.5
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG21	5	0.5
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG22	5	0.5
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG23	5	0.5
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD11	17	0.5
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD12	17	0.5
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD13	17	0.5
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD21	15	0.5
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD22	15	0.5
(1,645)	1:53:A:LEU:HA	1:53:A:LEU:HD23	15	0.5
(1,608)	1:79:A:ASP:HA	1:84:A:CYS:HB2	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:142:A:ARG:H	1:142:A:ARG:HG2	6	0.5
(1,584)	1:127:A:LEU:HD21	1:128:A:PRO:HG2	13	0.5
(1,584)	1:127:A:LEU:HD22	1:128:A:PRO:HG2	13	0.5
(1,584)	1:127:A:LEU:HD23	1:128:A:PRO:HG2	13	0.5
(1,488)	1:35:A:CYS:HB2	1:65:A:GLY:H	3	0.5
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	9	0.5
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	2	0.5
(1,327)	1:106:A:PRO:HB3	1:110:A:VAL:HB	19	0.5
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	1	0.5
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	1	0.5
(1,210)	1:83:A:ASP:HB3	1:88:A:TYR:H	10	0.5
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	18	0.5
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	2	0.5
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	2	0.5
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	2	0.5
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	13	0.5
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	13	0.5
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	16	0.5
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	16	0.5
(1,2928)	1:96:A:GLN:HE21	1:108:A:ASP:HB2	3	0.49
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	13	0.49
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	19	0.49
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	19	0.49
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	19	0.49
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	17	0.49
(1,2094)	1:139:A:HIS:HB2	1:139:A:HIS:HD2	16	0.49
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	3	0.49
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	16	0.49
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	16	0.49
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	18	0.49
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	11	0.49
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	9	0.49
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	9	0.49
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	9	0.49
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	14	0.49
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	14	0.49
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	14	0.49
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	17	0.49
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	17	0.49
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	17	0.49
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	15	0.49
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	19	0.49
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	18	0.49
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	18	0.49
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	18	0.49
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG21	1	0.49
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG22	1	0.49
(1,1123)	1:97:A:VAL:H	1:97:A:VAL:HG23	1	0.49
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	7	0.49
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	4	0.49
(1,892)	1:39:A:SER:HB3	1:58:A:GLY:HA3	18	0.49
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	19	0.49
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	12	0.49
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	12	0.49
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	12	0.49
(1,734)	1:42:A:LEU:HD11	1:131:A:GLU:HA	5	0.49
(1,734)	1:42:A:LEU:HD12	1:131:A:GLU:HA	5	0.49
(1,734)	1:42:A:LEU:HD13	1:131:A:GLU:HA	5	0.49
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	16	0.49
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	16	0.49
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	16	0.49
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	11	0.49
(1,382)	1:26:A:GLY:HA3	1:73:A:GLN:HG2	3	0.49
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	12	0.49
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	12	0.49
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	18	0.49
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	8	0.49
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	8	0.49
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	8	0.49
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	12	0.49
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	2	0.49
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	4	0.49
(1,87)	1:146:A:ARG:HA	1:149:A:ARG:HD2	6	0.49
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	4	0.49
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	9	0.49
(1,12)	1:103:A:ASP:HB3	1:104:A:GLY:HA2	6	0.49
(1,2942)	1:10:A:LEU:HD21	1:16:A:ASN:H	16	0.48
(1,2942)	1:10:A:LEU:HD22	1:16:A:ASN:H	16	0.48
(1,2942)	1:10:A:LEU:HD23	1:16:A:ASN:H	16	0.48
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	5	0.48
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	12	0.48
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	1	0.48
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	17	0.48
(1,2448)	1:140:A:GLY:HA3	1:142:A:ARG:H	3	0.48
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	20	0.48
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	7	0.48
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	7	0.48
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	16	0.48
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	16	0.48
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	16	0.48
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	4	0.48
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	11	0.48
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	12	0.48
(1,1976)	1:38:A:GLU:HB3	1:40:A:PHE:HE1	12	0.48
(1,1976)	1:38:A:GLU:HB3	1:40:A:PHE:HE2	12	0.48
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	7	0.48
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	7	0.48
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	20	0.48
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	20	0.48
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	11	0.48
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	16	0.48
(1,1624)	1:89:A:GLN:HA	1:89:A:GLN:HG3	14	0.48
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	8	0.48
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD11	7	0.48
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD12	7	0.48
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD13	7	0.48
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	3	0.48
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	2	0.48
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	2	0.48
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	2	0.48
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	2	0.48
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	2	0.48
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	2	0.48
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD11	12	0.48
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD12	12	0.48
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD13	12	0.48
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	1	0.48
(1,1354)	1:6:A:VAL:HG11	1:11:A:LYS:HA	18	0.48
(1,1354)	1:6:A:VAL:HG12	1:11:A:LYS:HA	18	0.48
(1,1354)	1:6:A:VAL:HG13	1:11:A:LYS:HA	18	0.48
(1,1348)	1:6:A:VAL:HG11	1:66:A:GLU:H	4	0.48
(1,1348)	1:6:A:VAL:HG12	1:66:A:GLU:H	4	0.48
(1,1348)	1:6:A:VAL:HG13	1:66:A:GLU:H	4	0.48
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	14	0.48
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	14	0.48
(1,1253)	1:44:A:ILE:HG13	1:51:A:PRO:HA	6	0.48
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	12	0.48
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	12	0.48
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	12	0.48
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	3	0.48
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	3	0.48
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	3	0.48
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	10	0.48
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	12	0.48
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD11	11	0.48
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD12	11	0.48
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD13	11	0.48
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	7	0.48
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	7	0.48
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	7	0.48
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	4	0.48
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	4	0.48
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	4	0.48
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	9	0.48
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	9	0.48
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	9	0.48
(1,608)	1:79:A:ASP:HA	1:84:A:CYS:HB2	9	0.48
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	15	0.48
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	20	0.48
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	13	0.48
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	15	0.48
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	2	0.48
(1,539)	1:95:A:VAL:HG11	1:96:A:GLN:HB3	6	0.48
(1,539)	1:95:A:VAL:HG12	1:96:A:GLN:HB3	6	0.48
(1,539)	1:95:A:VAL:HG13	1:96:A:GLN:HB3	6	0.48
(1,491)	1:35:A:CYS:HB2	1:64:A:THR:HB	15	0.48
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	1	0.48
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	13	0.48
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	16	0.48
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	16	0.48
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	9	0.48
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	9	0.48
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	9	0.48
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	3	0.48
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	8	0.48
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	8	0.48
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	10	0.48
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	10	0.48
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	10	0.48
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	1	0.48
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	5	0.48
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	17	0.48
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	15	0.47
(1,2808)	1:126:A:PHE:H	1:127:A:LEU:HB3	2	0.47
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	6	0.47
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	1	0.47
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	13	0.47
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	16	0.47
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	9	0.47
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	9	0.47
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	9	0.47
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	1	0.47
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	10	0.47
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	3	0.47
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	13	0.47
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	13	0.47
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	17	0.47
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	16	0.47
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	4	0.47
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	4	0.47
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	13	0.47
(1,1564)	1:79:A:ASP:HA	1:82:A:GLU:HG3	16	0.47
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG21	14	0.47
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG22	14	0.47
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG23	14	0.47
(1,1241)	1:5:A:PHE:HB2	1:95:A:VAL:HG21	17	0.47
(1,1241)	1:5:A:PHE:HB2	1:95:A:VAL:HG22	17	0.47
(1,1241)	1:5:A:PHE:HB2	1:95:A:VAL:HG23	17	0.47
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	2	0.47
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	2	0.47
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	2	0.47
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	14	0.47
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	14	0.47
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	14	0.47
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	9	0.47
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	9	0.47
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	17	0.47
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	17	0.47
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	17	0.47
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	18	0.47
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	18	0.47
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	18	0.47
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	18	0.47
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	18	0.47
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	18	0.47
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	1	0.47
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	1	0.47
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD11	1	0.47
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD12	1	0.47
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD13	1	0.47
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD11	20	0.47
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD12	20	0.47
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD13	20	0.47
(1,850)	1:75:A:LEU:HD21	1:90:A:ARG:HD3	14	0.47
(1,850)	1:75:A:LEU:HD22	1:90:A:ARG:HD3	14	0.47
(1,850)	1:75:A:LEU:HD23	1:90:A:ARG:HD3	14	0.47
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	15	0.47
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	15	0.47
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	15	0.47
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	9	0.47
(1,531)	1:18:A:LYS:H	1:18:A:LYS:HD2	15	0.47
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	2	0.47
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	4	0.47
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	1	0.47
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	5	0.47
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	7	0.47
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	8	0.47
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	20	0.47
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	17	0.47
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	5	0.47
(1,360)	1:93:A:LEU:H	1:111:A:GLN:HG2	3	0.47
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	16	0.47
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	16	0.47
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	15	0.47
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	3	0.47
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	3	0.47
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	13	0.47
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	5	0.47
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	19	0.46
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	12	0.46
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	14	0.46
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	15	0.46
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	14	0.46
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	2	0.46
(1,2026)	1:31:A:ARG:HG2	1:100:A:TRP:HH2	5	0.46
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	7	0.46
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	14	0.46
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	15	0.46
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	15	0.46
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	3	0.46
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	3	0.46
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	15	0.46
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	15	0.46
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	3	0.46
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	14	0.46
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	3	0.46
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG21	2	0.46
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG22	2	0.46
(1,1471)	1:31:A:ARG:HB2	1:67:A:ILE:HG23	2	0.46
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	4	0.46
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	10	0.46
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	10	0.46
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	10	0.46
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	10	0.46
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	10	0.46
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	10	0.46
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	8	0.46
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	8	0.46
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	8	0.46
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	3	0.46
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB3	12	0.46
(1,933)	1:86:A:SER:HB2	1:87:A:MET:HB2	12	0.46
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG21	10	0.46
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG22	10	0.46
(1,922)	1:35:A:CYS:HB2	1:36:A:THR:HG23	10	0.46
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	12	0.46
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD11	8	0.46
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD12	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD13	8	0.46
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	6	0.46
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	6	0.46
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	6	0.46
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	8	0.46
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	8	0.46
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	8	0.46
(1,623)	1:54:A:LEU:HD11	1:125:A:LEU:HG	19	0.46
(1,623)	1:54:A:LEU:HD12	1:125:A:LEU:HG	19	0.46
(1,623)	1:54:A:LEU:HD13	1:125:A:LEU:HG	19	0.46
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	19	0.46
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	7	0.46
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	3	0.46
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	4	0.46
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	6	0.46
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	17	0.46
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	6	0.46
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD11	12	0.46
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD12	12	0.46
(1,378)	1:6:A:VAL:HB	1:10:A:LEU:HD13	12	0.46
(1,336)	1:85:A:PRO:HB3	1:89:A:GLN:HG2	4	0.46
(1,327)	1:106:A:PRO:HB3	1:110:A:VAL:HB	16	0.46
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	12	0.46
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	7	0.46
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD1	3	0.46
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD2	3	0.46
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	11	0.46
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	6	0.46
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	6	0.46
(1,12)	1:103:A:ASP:HB3	1:104:A:GLY:HA2	20	0.46
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	7	0.46
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	11	0.45
(1,2891)	1:18:A:LYS:H	1:18:A:LYS:HB2	13	0.45
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	6	0.45
(1,2535)	1:12:A:ARG:H	1:12:A:ARG:HG3	6	0.45
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	11	0.45
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	18	0.45
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	19	0.45
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	11	0.45
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	11	0.45
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	11	0.45
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	16	0.45
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	16	0.45
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	10	0.45
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	10	0.45
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	17	0.45
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	17	0.45
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	10	0.45
(1,1767)	1:54:A:LEU:HD21	1:120:A:TYR:HA	9	0.45
(1,1767)	1:54:A:LEU:HD22	1:120:A:TYR:HA	9	0.45
(1,1767)	1:54:A:LEU:HD23	1:120:A:TYR:HA	9	0.45
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	15	0.45
(1,1675)	1:82:A:GLU:HA	1:83:A:ASP:HB3	18	0.45
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	9	0.45
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	4	0.45
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	19	0.45
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	19	0.45
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	19	0.45
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	19	0.45
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	19	0.45
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	19	0.45
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD11	15	0.45
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD12	15	0.45
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD13	15	0.45
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	13	0.45
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	11	0.45
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	11	0.45
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	11	0.45
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	8	0.45
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	8	0.45
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	8	0.45
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	10	0.45
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	10	0.45
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	10	0.45
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	7	0.45
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	7	0.45
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	7	0.45
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	3	0.45
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	3	0.45
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	3	0.45
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	3	0.45
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	3	0.45
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	3	0.45
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	3	0.45
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	3	0.45
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	2	0.45
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	3	0.45
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	3	0.45
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	3	0.45
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	20	0.45
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	3	0.45
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	3	0.45
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	3	0.45
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	3	0.45
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	3	0.45
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	3	0.45
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD11	5	0.45
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD12	5	0.45
(1,788)	1:54:A:LEU:HD11	1:125:A:LEU:HD13	5	0.45
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD11	5	0.45
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD12	5	0.45
(1,788)	1:54:A:LEU:HD12	1:125:A:LEU:HD13	5	0.45
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD11	5	0.45
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD12	5	0.45
(1,788)	1:54:A:LEU:HD13	1:125:A:LEU:HD13	5	0.45
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	2	0.45
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	1	0.45
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	1	0.45
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	1	0.45
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	1	0.45
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	1	0.45
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	1	0.45
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	1	0.45
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	1	0.45
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	1	0.45
(1,623)	1:54:A:LEU:HD11	1:125:A:LEU:HG	2	0.45
(1,623)	1:54:A:LEU:HD12	1:125:A:LEU:HG	2	0.45
(1,623)	1:54:A:LEU:HD13	1:125:A:LEU:HG	2	0.45
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	6	0.45
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	6	0.45
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	6	0.45
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	11	0.45
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	12	0.45
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	14	0.45
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	5	0.45
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	10	0.45
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	15	0.45
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	19	0.45
(1,343)	1:42:A:LEU:HD11	1:63:A:VAL:HB	1	0.45
(1,343)	1:42:A:LEU:HD12	1:63:A:VAL:HB	1	0.45
(1,343)	1:42:A:LEU:HD13	1:63:A:VAL:HB	1	0.45
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	5	0.45
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	12	0.45
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	19	0.45
(1,228)	1:83:A:ASP:HB2	1:86:A:SER:HB2	4	0.45
(1,210)	1:83:A:ASP:HB3	1:88:A:TYR:H	19	0.45
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	19	0.45
(1,187)	1:22:A:ASP:HB2	1:24:A:SER:HB2	19	0.45
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	14	0.45
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	16	0.45
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	2	0.45
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	2	0.45
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	2	0.45
(1,2928)	1:96:A:GLN:HE21	1:108:A:ASP:HB2	12	0.44
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	20	0.44
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG21	15	0.44
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG22	15	0.44
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG23	15	0.44
(1,2401)	1:93:A:LEU:H	1:112:A:CYS:HB2	17	0.44
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	7	0.44
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	9	0.44
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	10	0.44
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	18	0.44
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	5	0.44
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	5	0.44
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	14	0.44
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	14	0.44
(1,1926)	1:40:A:PHE:HD1	1:41:A:PRO:HD3	5	0.44
(1,1926)	1:40:A:PHE:HD2	1:41:A:PRO:HD3	5	0.44
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD21	9	0.44
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD22	9	0.44
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD23	9	0.44
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	12	0.44
(1,1407)	1:49:A:ASN:HB3	1:143:A:TYR:HA	5	0.44
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	2	0.44
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	2	0.44
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	2	0.44
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	2	0.44
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	2	0.44
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	2	0.44
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	2	0.44
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	2	0.44
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	2	0.44
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	2	0.44
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	2	0.44
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	2	0.44
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	2	0.44
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	2	0.44
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	20	0.44
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	20	0.44
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	20	0.44
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	19	0.44
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD11	13	0.44
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD12	13	0.44
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD13	13	0.44
(1,825)	1:54:A:LEU:HD11	1:125:A:LEU:H	13	0.44
(1,825)	1:54:A:LEU:HD12	1:125:A:LEU:H	13	0.44
(1,825)	1:54:A:LEU:HD13	1:125:A:LEU:H	13	0.44
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	9	0.44
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	9	0.44
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	9	0.44
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	9	0.44
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	9	0.44
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	9	0.44
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	9	0.44
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	9	0.44
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	9	0.44
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	4	0.44
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	4	0.44
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	12	0.44
(1,545)	1:71:A:ASP:HB3	1:72:A:GLU:HB2	2	0.44
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD11	4	0.44
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD12	4	0.44
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD13	4	0.44
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	10	0.44
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	12	0.44
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	1	0.44
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	3	0.44
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	19	0.44
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	11	0.44
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	18	0.44
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	16	0.44
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	16	0.44
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	16	0.44
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	2	0.44
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	8	0.44
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	12	0.43
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	4	0.43
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	5	0.43
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	18	0.43
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	2	0.43
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	2	0.43
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	2	0.43
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG21	17	0.43
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG22	17	0.43
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG23	17	0.43
(1,2521)	1:11:A:LYS:HG3	1:66:A:GLU:H	17	0.43
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	11	0.43
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	1	0.43
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	2	0.43
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	19	0.43
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	14	0.43
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	17	0.43
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	17	0.43
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	13	0.43
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	13	0.43
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	18	0.43
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	4	0.43
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	4	0.43
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	4	0.43
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	12	0.43
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	12	0.43
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	12	0.43
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	9	0.43
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	9	0.43
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	9	0.43
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD21	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD22	18	0.43
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD23	18	0.43
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	9	0.43
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD11	12	0.43
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD12	12	0.43
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD13	12	0.43
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD11	19	0.43
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD12	19	0.43
(1,858)	1:27:A:LEU:HB2	1:27:A:LEU:HD13	19	0.43
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD11	9	0.43
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD12	9	0.43
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD13	9	0.43
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	14	0.43
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	14	0.43
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	14	0.43
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD11	13	0.43
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD12	13	0.43
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD13	13	0.43
(1,700)	1:45:A:ALA:H	1:127:A:LEU:HD11	7	0.43
(1,700)	1:45:A:ALA:H	1:127:A:LEU:HD12	7	0.43
(1,700)	1:45:A:ALA:H	1:127:A:LEU:HD13	7	0.43
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD11	13	0.43
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD12	13	0.43
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD13	13	0.43
(1,608)	1:79:A:ASP:HA	1:84:A:CYS:HB2	20	0.43
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	10	0.43
(1,555)	1:32:A:GLY:HA3	1:33:A:ARG:HG2	10	0.43
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	15	0.43
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	19	0.43
(1,390)	1:94:A:GLN:HG2	1:109:A:SER:HA	16	0.43
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	7	0.43
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	7	0.43
(1,293)	1:69:A:GLU:HG3	1:70:A:VAL:HA	9	0.43
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	16	0.43
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	18	0.43
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD1	4	0.43
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD2	4	0.43
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	13	0.43
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	17	0.43
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	17	0.43
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	10	0.43
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	14	0.42
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	20	0.42
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	2	0.42
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	6	0.42
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	10	0.42
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	10	0.42
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	10	0.42
(1,2346)	1:89:A:GLN:HB2	1:90:A:ARG:H	7	0.42
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	20	0.42
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	12	0.42
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	7	0.42
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	5	0.42
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	1	0.42
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	10	0.42
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	16	0.42
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	13	0.42
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	13	0.42
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	13	0.42
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	13	0.42
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	13	0.42
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	13	0.42
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	5	0.42
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	5	0.42
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	14	0.42
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	4	0.42
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	5	0.42
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	5	0.42
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	10	0.42
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	16	0.42
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	19	0.42
(1,1339)	1:6:A:VAL:HG11	1:12:A:ARG:H	20	0.42
(1,1339)	1:6:A:VAL:HG12	1:12:A:ARG:H	20	0.42
(1,1339)	1:6:A:VAL:HG13	1:12:A:ARG:H	20	0.42
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	1	0.42
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	1	0.42
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	1	0.42
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	20	0.42
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	20	0.42
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	20	0.42
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	20	0.42
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	20	0.42
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	20	0.42
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	20	0.42
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	20	0.42
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG21	20	0.42
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG22	20	0.42
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG23	20	0.42
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	19	0.42
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	19	0.42
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	19	0.42
(1,895)	1:135:A:SER:HB3	1:143:A:TYR:H	8	0.42
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	11	0.42
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	6	0.42
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	6	0.42
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	6	0.42
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	6	0.42
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	3	0.42
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	3	0.42
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	3	0.42
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD11	16	0.42
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD12	16	0.42
(1,810)	1:75:A:LEU:HA	1:75:A:LEU:HD13	16	0.42
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD1	15	0.42
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD2	15	0.42
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD1	15	0.42
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD2	15	0.42
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD1	15	0.42
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD2	15	0.42
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	18	0.42
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	18	0.42
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	20	0.42
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	20	0.42
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	3	0.42
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	3	0.42
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	11	0.42
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	11	0.42
(1,619)	1:3:A:HIS:HA	1:4:A:ILE:HG13	13	0.42
(1,584)	1:127:A:LEU:HD21	1:128:A:PRO:HG2	19	0.42
(1,584)	1:127:A:LEU:HD22	1:128:A:PRO:HG2	19	0.42
(1,584)	1:127:A:LEU:HD23	1:128:A:PRO:HG2	19	0.42
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	16	0.42
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	16	0.42
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	18	0.42
(1,510)	1:131:A:GLU:HB2	1:132:A:SER:HA	15	0.42
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	12	0.42
(1,461)	1:44:A:ILE:HG13	1:51:A:PRO:HB2	16	0.42
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	10	0.42
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	17	0.42
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	17	0.42
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	9	0.42
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	10	0.42
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	10	0.42
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	14	0.42
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	14	0.42
(1,234)	1:15:A:PRO:HG3	1:143:A:TYR:HB2	8	0.42
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	7	0.42
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	1	0.42
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	1	0.42
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	6	0.42
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD1	16	0.42
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD2	16	0.42
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	20	0.42
(1,46)	1:137:A:GLY:HA2	1:138:A:PRO:HG2	3	0.42
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	1	0.42
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	2	0.42
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	20	0.42
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	2	0.41
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	3	0.41
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	8	0.41
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	16	0.41
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	12	0.41
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	17	0.41
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	2	0.41
(1,2346)	1:89:A:GLN:HB2	1:90:A:ARG:H	19	0.41
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	5	0.41
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	12	0.41
(1,2264)	1:43:A:VAL:HG11	1:45:A:ALA:H	2	0.41
(1,2264)	1:43:A:VAL:HG12	1:45:A:ALA:H	2	0.41
(1,2264)	1:43:A:VAL:HG13	1:45:A:ALA:H	2	0.41
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	15	0.41
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD11	20	0.41
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD12	20	0.41
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD13	20	0.41
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	3	0.41
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	3	0.41
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	20	0.41
(1,2049)	1:42:A:LEU:HD11	1:130:A:HIS:HD2	20	0.41
(1,2049)	1:42:A:LEU:HD12	1:130:A:HIS:HD2	20	0.41
(1,2049)	1:42:A:LEU:HD13	1:130:A:HIS:HD2	20	0.41
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	4	0.41
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	12	0.41
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	12	0.41
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	12	0.41
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	19	0.41
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	19	0.41
(1,1914)	1:5:A:PHE:HD1	1:112:A:CYS:HB2	14	0.41
(1,1914)	1:5:A:PHE:HD2	1:112:A:CYS:HB2	14	0.41
(1,1544)	1:86:A:SER:HB2	1:87:A:MET:HA	12	0.41
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	2	0.41
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	3	0.41
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	7	0.41
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	14	0.41
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	20	0.41
(1,1196)	1:43:A:VAL:HG21	1:127:A:LEU:HB3	7	0.41
(1,1196)	1:43:A:VAL:HG22	1:127:A:LEU:HB3	7	0.41
(1,1196)	1:43:A:VAL:HG23	1:127:A:LEU:HB3	7	0.41
(1,1196)	1:43:A:VAL:HG21	1:127:A:LEU:HB2	7	0.41
(1,1196)	1:43:A:VAL:HG22	1:127:A:LEU:HB2	7	0.41
(1,1196)	1:43:A:VAL:HG23	1:127:A:LEU:HB2	7	0.41
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	15	0.41
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	15	0.41
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	15	0.41
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	4	0.41
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	4	0.41
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	4	0.41
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	4	0.41
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	4	0.41
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	4	0.41
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	4	0.41
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	4	0.41
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	4	0.41
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	18	0.41
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	18	0.41
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	18	0.41
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	18	0.41
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	18	0.41
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	18	0.41
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	18	0.41
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	18	0.41
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	13	0.41
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	13	0.41
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	13	0.41
(1,966)	1:54:A:LEU:HD21	1:55:A:TYR:H	19	0.41
(1,966)	1:54:A:LEU:HD22	1:55:A:TYR:H	19	0.41
(1,966)	1:54:A:LEU:HD23	1:55:A:TYR:H	19	0.41
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD21	7	0.41
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD22	7	0.41
(1,904)	1:54:A:LEU:HD11	1:125:A:LEU:HD23	7	0.41
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD21	7	0.41
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD22	7	0.41
(1,904)	1:54:A:LEU:HD12	1:125:A:LEU:HD23	7	0.41
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD21	7	0.41
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD22	7	0.41
(1,904)	1:54:A:LEU:HD13	1:125:A:LEU:HD23	7	0.41
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD11	20	0.41
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD12	20	0.41
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD13	20	0.41
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD11	20	0.41
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD12	20	0.41
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD13	20	0.41
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD11	20	0.41
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD12	20	0.41
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD13	20	0.41
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	12	0.41
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	12	0.41
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	12	0.41
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	18	0.41
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD1	8	0.41
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD2	8	0.41
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD1	8	0.41
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD2	8	0.41
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD1	8	0.41
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD2	8	0.41
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	19	0.41
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	19	0.41
(1,603)	1:141:A:LEU:HA	1:142:A:ARG:HG2	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	5	0.41
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	15	0.41
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	18	0.41
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	18	0.41
(1,401)	1:94:A:GLN:HG2	1:110:A:VAL:H	16	0.41
(1,382)	1:26:A:GLY:HA3	1:73:A:GLN:HG2	8	0.41
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	16	0.41
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	16	0.41
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	16	0.41
(1,317)	1:33:A:ARG:H	1:99:A:GLU:HG2	3	0.41
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	1	0.41
(1,293)	1:69:A:GLU:HG3	1:70:A:VAL:HA	15	0.41
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	13	0.41
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	19	0.41
(1,129)	1:56:A:LEU:HD21	1:59:A:LYS:HE2	4	0.41
(1,129)	1:56:A:LEU:HD22	1:59:A:LYS:HE2	4	0.41
(1,129)	1:56:A:LEU:HD23	1:59:A:LYS:HE2	4	0.41
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	2	0.41
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	9	0.41
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	20	0.41
(1,68)	1:27:A:LEU:HB2	1:28:A:ALA:HA	2	0.41
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	11	0.41
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	4	0.41
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	18	0.4
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	19	0.4
(1,2803)	1:82:A:GLU:HG3	1:83:A:ASP:H	16	0.4
(1,2750)	1:43:A:VAL:H	1:52:A:TRP:HB3	12	0.4
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	13	0.4
(1,2459)	1:62:A:CYS:H	1:62:A:CYS:HB2	3	0.4
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	6	0.4
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	16	0.4
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG21	15	0.4
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG22	15	0.4
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG23	15	0.4
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	19	0.4
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	14	0.4
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	2	0.4
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	20	0.4
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	5	0.4
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	3	0.4
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	6	0.4
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:5:A:PHE:HD1	1:112:A:CYS:HB2	12	0.4
(1,1914)	1:5:A:PHE:HD2	1:112:A:CYS:HB2	12	0.4
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	9	0.4
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	18	0.4
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	16	0.4
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	16	0.4
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	16	0.4
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	20	0.4
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	20	0.4
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	20	0.4
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG21	14	0.4
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG22	14	0.4
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG23	14	0.4
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	8	0.4
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	8	0.4
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	8	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	2	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	2	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	2	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	6	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	6	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	6	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	15	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	15	0.4
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	15	0.4
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	5	0.4
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	5	0.4
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	5	0.4
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	5	0.4
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE1	14	0.4
(1,848)	1:75:A:LEU:HD21	1:113:A:PHE:HE2	14	0.4
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE1	14	0.4
(1,848)	1:75:A:LEU:HD22	1:113:A:PHE:HE2	14	0.4
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE1	14	0.4
(1,848)	1:75:A:LEU:HD23	1:113:A:PHE:HE2	14	0.4
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD11	10	0.4
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD12	10	0.4
(1,773)	1:42:A:LEU:HD21	1:53:A:LEU:HD13	10	0.4
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD11	10	0.4
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD12	10	0.4
(1,773)	1:42:A:LEU:HD22	1:53:A:LEU:HD13	10	0.4
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD11	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD12	10	0.4
(1,773)	1:42:A:LEU:HD23	1:53:A:LEU:HD13	10	0.4
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	18	0.4
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	18	0.4
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	18	0.4
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	18	0.4
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	18	0.4
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	18	0.4
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	18	0.4
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	18	0.4
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	18	0.4
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	16	0.4
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	16	0.4
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	16	0.4
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	3	0.4
(1,555)	1:32:A:GLY:HA3	1:33:A:ARG:HG2	13	0.4
(1,493)	1:130:A:HIS:HA	1:131:A:GLU:HB3	17	0.4
(1,428)	1:33:A:ARG:HD2	1:99:A:GLU:HB3	17	0.4
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	8	0.4
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	11	0.4
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	12	0.4
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	16	0.4
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	1	0.4
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	2	0.4
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	2	0.4
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	3	0.4
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	18	0.4
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	19	0.4
(1,84)	1:142:A:ARG:HA	1:142:A:ARG:HD2	12	0.4
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	8	0.4
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	9	0.4
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	18	0.4
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	3	0.4
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	3	0.4
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	2	0.39
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	18	0.39
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	17	0.39
(1,2449)	1:142:A:ARG:H	1:142:A:ARG:HD2	16	0.39
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	10	0.39
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	12	0.39
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	3	0.39
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG21	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG22	6	0.39
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG23	6	0.39
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	20	0.39
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	4	0.39
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	7	0.39
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	8	0.39
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD11	12	0.39
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD12	12	0.39
(1,1977)	1:40:A:PHE:HE1	1:93:A:LEU:HD13	12	0.39
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD11	12	0.39
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD12	12	0.39
(1,1977)	1:40:A:PHE:HE2	1:93:A:LEU:HD13	12	0.39
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD1	11	0.39
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD2	11	0.39
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD1	11	0.39
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD2	11	0.39
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD1	11	0.39
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD2	11	0.39
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD1	15	0.39
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD2	15	0.39
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD1	15	0.39
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD2	15	0.39
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD1	15	0.39
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD2	15	0.39
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	13	0.39
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	13	0.39
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	7	0.39
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	7	0.39
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	7	0.39
(1,1545)	1:83:A:ASP:HB3	1:87:A:MET:HA	19	0.39
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG11	7	0.39
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG12	7	0.39
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG13	7	0.39
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	13	0.39
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	13	0.39
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	13	0.39
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	4	0.39
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	9	0.39
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	17	0.39
(1,1228)	1:95:A:VAL:HG11	1:96:A:GLN:HA	18	0.39
(1,1228)	1:95:A:VAL:HG12	1:96:A:GLN:HA	18	0.39
(1,1228)	1:95:A:VAL:HG13	1:96:A:GLN:HA	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	20	0.39
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	20	0.39
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	20	0.39
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD2	13	0.39
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD2	13	0.39
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD2	13	0.39
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD3	13	0.39
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD3	13	0.39
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD3	13	0.39
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	18	0.39
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	18	0.39
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	18	0.39
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	18	0.39
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	18	0.39
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	18	0.39
(1,923)	1:36:A:THR:HG21	1:40:A:PHE:HB3	18	0.39
(1,923)	1:36:A:THR:HG22	1:40:A:PHE:HB3	18	0.39
(1,923)	1:36:A:THR:HG23	1:40:A:PHE:HB3	18	0.39
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	2	0.39
(1,869)	1:95:A:VAL:HG11	1:97:A:VAL:HA	18	0.39
(1,869)	1:95:A:VAL:HG12	1:97:A:VAL:HA	18	0.39
(1,869)	1:95:A:VAL:HG13	1:97:A:VAL:HA	18	0.39
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	8	0.39
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	8	0.39
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	8	0.39
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	20	0.39
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	20	0.39
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	20	0.39
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	20	0.39
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	20	0.39
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	20	0.39
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	20	0.39
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	20	0.39
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	20	0.39
(1,723)	1:42:A:LEU:HD11	1:130:A:HIS:H	10	0.39
(1,723)	1:42:A:LEU:HD12	1:130:A:HIS:H	10	0.39
(1,723)	1:42:A:LEU:HD13	1:130:A:HIS:H	10	0.39
(1,592)	1:15:A:PRO:HG3	1:16:A:ASN:HD21	2	0.39
(1,532)	1:18:A:LYS:HD2	1:19:A:VAL:H	15	0.39
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD11	15	0.39
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD12	15	0.39
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD13	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD21	9	0.39
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD22	9	0.39
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD23	9	0.39
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	13	0.39
(1,357)	1:111:A:GLN:HG2	1:112:A:CYS:H	11	0.39
(1,336)	1:85:A:PRO:HB3	1:89:A:GLN:HG2	14	0.39
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	11	0.39
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	19	0.39
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	18	0.39
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	20	0.39
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	20	0.39
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	20	0.39
(1,92)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	11	0.39
(1,92)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	11	0.39
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	7	0.39
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	15	0.39
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	12	0.39
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	12	0.39
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	12	0.39
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	13	0.39
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	17	0.38
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	14	0.38
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	6	0.38
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	15	0.38
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	17	0.38
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	11	0.38
(1,2459)	1:62:A:CYS:H	1:62:A:CYS:HB2	10	0.38
(1,2448)	1:140:A:GLY:HA3	1:142:A:ARG:H	9	0.38
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	15	0.38
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	4	0.38
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	16	0.38
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	14	0.38
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	13	0.38
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	18	0.38
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	20	0.38
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	9	0.38
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	11	0.38
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	18	0.38
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	20	0.38
(1,1926)	1:40:A:PHE:HD1	1:41:A:PRO:HD3	4	0.38
(1,1926)	1:40:A:PHE:HD2	1:41:A:PRO:HD3	4	0.38
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	15	0.38
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	19	0.38
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	19	0.38
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	1	0.38
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	13	0.38
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	20	0.38
(1,1545)	1:83:A:ASP:HB3	1:87:A:MET:HA	12	0.38
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	1	0.38
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	1	0.38
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	1	0.38
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	1	0.38
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	1	0.38
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	1	0.38
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	20	0.38
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	20	0.38
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	20	0.38
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	20	0.38
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	20	0.38
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	20	0.38
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	18	0.38
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	18	0.38
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	18	0.38
(1,1354)	1:6:A:VAL:HG11	1:11:A:LYS:HA	16	0.38
(1,1354)	1:6:A:VAL:HG12	1:11:A:LYS:HA	16	0.38
(1,1354)	1:6:A:VAL:HG13	1:11:A:LYS:HA	16	0.38
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG11	16	0.38
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG12	16	0.38
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG13	16	0.38
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG21	17	0.38
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG22	17	0.38
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG23	17	0.38
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	3	0.38
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	3	0.38
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	3	0.38
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	7	0.38
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	7	0.38
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	7	0.38
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	7	0.38
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	7	0.38
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	7	0.38
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	7	0.38
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	7	0.38
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	13	0.38
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	13	0.38
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	13	0.38
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	13	0.38
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	13	0.38
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	13	0.38
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	13	0.38
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	13	0.38
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	13	0.38
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG21	14	0.38
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG22	14	0.38
(1,1046)	1:61:A:HIS:HB3	1:63:A:VAL:HG23	14	0.38
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	19	0.38
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	19	0.38
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	19	0.38
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD21	13	0.38
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD22	13	0.38
(1,963)	1:52:A:TRP:H	1:54:A:LEU:HD23	13	0.38
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	1	0.38
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	4	0.38
(1,650)	1:53:A:LEU:HD21	1:63:A:VAL:HB	7	0.38
(1,650)	1:53:A:LEU:HD22	1:63:A:VAL:HB	7	0.38
(1,650)	1:53:A:LEU:HD23	1:63:A:VAL:HB	7	0.38
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD21	18	0.38
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD22	18	0.38
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD23	18	0.38
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD21	18	0.38
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD22	18	0.38
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD23	18	0.38
(1,594)	1:76:A:ARG:HG3	1:77:A:PHE:H	3	0.38
(1,425)	1:87:A:MET:HB3	1:87:A:MET:HG3	2	0.38
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	20	0.38
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	7	0.38
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	1	0.38
(1,300)	1:136:A:GLU:H	1:136:A:GLU:HG3	9	0.38
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	5	0.38
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	12	0.38
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	18	0.38
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	19	0.38
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	3	0.38
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	17	0.38
(1,148)	1:18:A:LYS:HE2	1:19:A:VAL:H	15	0.38
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	7	0.38
(1,2858)	1:10:A:LEU:HD21	1:20:A:MET:H	16	0.37
(1,2858)	1:10:A:LEU:HD22	1:20:A:MET:H	16	0.37
(1,2858)	1:10:A:LEU:HD23	1:20:A:MET:H	16	0.37
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	1	0.37
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	8	0.37
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	9	0.37
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	4	0.37
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	11	0.37
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	12	0.37
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	8	0.37
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	3	0.37
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	3	0.37
(1,2049)	1:42:A:LEU:HD11	1:130:A:HIS:HD2	16	0.37
(1,2049)	1:42:A:LEU:HD12	1:130:A:HIS:HD2	16	0.37
(1,2049)	1:42:A:LEU:HD13	1:130:A:HIS:HD2	16	0.37
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	8	0.37
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD1	8	0.37
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD2	8	0.37
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD1	8	0.37
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD2	8	0.37
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD1	8	0.37
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD2	8	0.37
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD1	12	0.37
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD2	12	0.37
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD1	12	0.37
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD2	12	0.37
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD1	12	0.37
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD2	12	0.37
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD1	17	0.37
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD2	17	0.37
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD1	17	0.37
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD2	17	0.37
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD1	17	0.37
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD2	17	0.37
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	14	0.37
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	14	0.37
(1,1714)	1:6:A:VAL:HG11	1:66:A:GLU:HA	12	0.37
(1,1714)	1:6:A:VAL:HG12	1:66:A:GLU:HA	12	0.37
(1,1714)	1:6:A:VAL:HG13	1:66:A:GLU:HA	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1686)	1:67:A:ILE:HD11	1:100:A:TRP:HB3	4	0.37
(1,1686)	1:67:A:ILE:HD12	1:100:A:TRP:HB3	4	0.37
(1,1686)	1:67:A:ILE:HD13	1:100:A:TRP:HB3	4	0.37
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	7	0.37
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	20	0.37
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	3	0.37
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	3	0.37
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	3	0.37
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	3	0.37
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	3	0.37
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	3	0.37
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	10	0.37
(1,1365)	1:73:A:GLN:HA	1:73:A:GLN:HG2	8	0.37
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	16	0.37
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	16	0.37
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	16	0.37
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	18	0.37
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	18	0.37
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	18	0.37
(1,978)	1:54:A:LEU:HD21	1:120:A:TYR:HB2	3	0.37
(1,978)	1:54:A:LEU:HD22	1:120:A:TYR:HB2	3	0.37
(1,978)	1:54:A:LEU:HD23	1:120:A:TYR:HB2	3	0.37
(1,894)	1:135:A:SER:HB3	1:136:A:GLU:HG3	11	0.37
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	19	0.37
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	17	0.37
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	3	0.37
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	2	0.37
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	7	0.37
(1,374)	1:112:A:CYS:H	1:112:A:CYS:HB2	12	0.37
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	2	0.37
(1,305)	1:30:A:PHE:HE1	1:101:A:GLU:HG3	18	0.37
(1,305)	1:30:A:PHE:HE2	1:101:A:GLU:HG3	18	0.37
(1,300)	1:136:A:GLU:H	1:136:A:GLU:HG3	15	0.37
(1,295)	1:53:A:LEU:HD11	1:114:A:VAL:HB	15	0.37
(1,295)	1:53:A:LEU:HD12	1:114:A:VAL:HB	15	0.37
(1,295)	1:53:A:LEU:HD13	1:114:A:VAL:HB	15	0.37
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	14	0.37
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	14	0.37
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	14	0.37
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	2	0.37
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	4	0.37
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:61:A:HIS:HB2	1:131:A:GLU:HG2	17	0.37
(1,210)	1:83:A:ASP:HB3	1:88:A:TYR:H	12	0.37
(1,148)	1:18:A:LYS:HE2	1:19:A:VAL:H	8	0.37
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	6	0.37
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	13	0.37
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	20	0.37
(1,94)	1:33:A:ARG:H	1:33:A:ARG:HD2	11	0.37
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	16	0.37
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE1	5	0.37
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE2	5	0.37
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE3	5	0.37
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	14	0.37
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	14	0.37
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	14	0.37
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	19	0.37
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	19	0.37
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	19	0.37
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	3	0.36
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	2	0.36
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	12	0.36
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	16	0.36
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	8	0.36
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	5	0.36
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	2	0.36
(1,2490)	1:39:A:SER:HB3	1:59:A:LYS:H	11	0.36
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	3	0.36
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	17	0.36
(1,2346)	1:89:A:GLN:HB2	1:90:A:ARG:H	10	0.36
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	13	0.36
(1,2265)	1:45:A:ALA:H	1:52:A:TRP:HB3	13	0.36
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	14	0.36
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	12	0.36
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	10	0.36
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	15	0.36
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	6	0.36
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	13	0.36
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	19	0.36
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	17	0.36
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	17	0.36
(1,1836)	1:41:A:PRO:HD2	1:59:A:LYS:H	12	0.36
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	6	0.36
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD21	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD22	10	0.36
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD23	10	0.36
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD21	10	0.36
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD22	10	0.36
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD23	10	0.36
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD21	10	0.36
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD22	10	0.36
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD23	10	0.36
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	17	0.36
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	17	0.36
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	17	0.36
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	17	0.36
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	17	0.36
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	17	0.36
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	1	0.36
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	1	0.36
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	1	0.36
(1,1354)	1:6:A:VAL:HG11	1:11:A:LYS:HA	13	0.36
(1,1354)	1:6:A:VAL:HG12	1:11:A:LYS:HA	13	0.36
(1,1354)	1:6:A:VAL:HG13	1:11:A:LYS:HA	13	0.36
(1,1348)	1:6:A:VAL:HG11	1:66:A:GLU:H	18	0.36
(1,1348)	1:6:A:VAL:HG12	1:66:A:GLU:H	18	0.36
(1,1348)	1:6:A:VAL:HG13	1:66:A:GLU:H	18	0.36
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	10	0.36
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	10	0.36
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	10	0.36
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	14	0.36
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	14	0.36
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	14	0.36
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD2	2	0.36
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD2	2	0.36
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD2	2	0.36
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD3	2	0.36
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD3	2	0.36
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD3	2	0.36
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	16	0.36
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	16	0.36
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	16	0.36
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	2	0.36
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	2	0.36
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	2	0.36
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	20	0.36
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	20	0.36
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	8	0.36
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	19	0.36
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	19	0.36
(1,594)	1:76:A:ARG:HG3	1:77:A:PHE:H	12	0.36
(1,591)	1:14:A:GLN:HA	1:15:A:PRO:HG2	8	0.36
(1,584)	1:127:A:LEU:HD21	1:128:A:PRO:HG2	20	0.36
(1,584)	1:127:A:LEU:HD22	1:128:A:PRO:HG2	20	0.36
(1,584)	1:127:A:LEU:HD23	1:128:A:PRO:HG2	20	0.36
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	14	0.36
(1,502)	1:38:A:GLU:HB2	1:39:A:SER:H	2	0.36
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	7	0.36
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	20	0.36
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	2	0.36
(1,304)	1:101:A:GLU:H	1:101:A:GLU:HG3	12	0.36
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	20	0.36
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	20	0.36
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	12	0.36
(1,148)	1:18:A:LYS:HE2	1:19:A:VAL:H	10	0.36
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	20	0.36
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	18	0.36
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	20	0.36
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	19	0.36
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	19	0.36
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	19	0.36
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	4	0.35
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	12	0.35
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	10	0.35
(1,2490)	1:39:A:SER:HB3	1:59:A:LYS:H	6	0.35
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	14	0.35
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	20	0.35
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	18	0.35
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	6	0.35
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	1	0.35
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	11	0.35
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	18	0.35
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	19	0.35
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	19	0.35
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	19	0.35
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	13	0.35
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	15	0.35
(1,1926)	1:40:A:PHE:HD1	1:41:A:PRO:HD3	14	0.35
(1,1926)	1:40:A:PHE:HD2	1:41:A:PRO:HD3	14	0.35
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	10	0.35
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	10	0.35
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	10	0.35
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	12	0.35
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	12	0.35
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	12	0.35
(1,1354)	1:6:A:VAL:HG11	1:11:A:LYS:HA	2	0.35
(1,1354)	1:6:A:VAL:HG12	1:11:A:LYS:HA	2	0.35
(1,1354)	1:6:A:VAL:HG13	1:11:A:LYS:HA	2	0.35
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD21	14	0.35
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD22	14	0.35
(1,1074)	1:6:A:VAL:HG21	1:10:A:LEU:HD23	14	0.35
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD21	14	0.35
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD22	14	0.35
(1,1074)	1:6:A:VAL:HG22	1:10:A:LEU:HD23	14	0.35
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD21	14	0.35
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD22	14	0.35
(1,1074)	1:6:A:VAL:HG23	1:10:A:LEU:HD23	14	0.35
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	5	0.35
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	5	0.35
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	5	0.35
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	11	0.35
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD11	9	0.35
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD12	9	0.35
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD13	9	0.35
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD11	8	0.35
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD12	8	0.35
(1,785)	1:5:A:PHE:HB2	1:93:A:LEU:HD13	8	0.35
(1,758)	1:42:A:LEU:HD21	1:133:A:TYR:HB2	11	0.35
(1,758)	1:42:A:LEU:HD22	1:133:A:TYR:HB2	11	0.35
(1,758)	1:42:A:LEU:HD23	1:133:A:TYR:HB2	11	0.35
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	10	0.35
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	15	0.35
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	15	0.35
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	15	0.35
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	2	0.35
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	2	0.35
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	8	0.35
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:3:A:HIS:HA	1:4:A:ILE:HG13	9	0.35
(1,420)	1:52:A:TRP:HZ3	1:87:A:MET:HG3	17	0.35
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	10	0.35
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	10	0.35
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	10	0.35
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	10	0.35
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	14	0.35
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	14	0.35
(1,204)	1:54:A:LEU:HD21	1:120:A:TYR:HB3	20	0.35
(1,204)	1:54:A:LEU:HD22	1:120:A:TYR:HB3	20	0.35
(1,204)	1:54:A:LEU:HD23	1:120:A:TYR:HB3	20	0.35
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	8	0.35
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	18	0.35
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	10	0.35
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	19	0.35
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	13	0.35
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	7	0.35
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	6	0.35
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	15	0.35
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	18	0.35
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	3	0.34
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	14	0.34
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	1	0.34
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	10	0.34
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	6	0.34
(1,2791)	1:76:A:ARG:H	1:76:A:ARG:HG3	12	0.34
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	3	0.34
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	5	0.34
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	5	0.34
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	5	0.34
(1,2490)	1:39:A:SER:HB3	1:59:A:LYS:H	20	0.34
(1,2448)	1:140:A:GLY:HA3	1:142:A:ARG:H	18	0.34
(1,2274)	1:146:A:ARG:HG3	1:149:A:ARG:H	1	0.34
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	9	0.34
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG21	18	0.34
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG22	18	0.34
(1,2266)	1:5:A:PHE:H	1:95:A:VAL:HG23	18	0.34
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	8	0.34
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	12	0.34
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	7	0.34
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	8	0.34
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	16	0.34
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	11	0.34
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	11	0.34
(1,2049)	1:42:A:LEU:HD11	1:130:A:HIS:HD2	10	0.34
(1,2049)	1:42:A:LEU:HD12	1:130:A:HIS:HD2	10	0.34
(1,2049)	1:42:A:LEU:HD13	1:130:A:HIS:HD2	10	0.34
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	2	0.34
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	19	0.34
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG11	15	0.34
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG12	15	0.34
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG13	15	0.34
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG11	15	0.34
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG12	15	0.34
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG13	15	0.34
(1,1675)	1:82:A:GLU:HA	1:83:A:ASP:HB3	19	0.34
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	10	0.34
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	2	0.34
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	9	0.34
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	19	0.34
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	7	0.34
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	7	0.34
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	7	0.34
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	11	0.34
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	14	0.34
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	14	0.34
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	14	0.34
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	15	0.34
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	15	0.34
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	15	0.34
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	19	0.34
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	19	0.34
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	19	0.34
(1,987)	1:10:A:LEU:HD21	1:16:A:ASN:HA	19	0.34
(1,987)	1:10:A:LEU:HD22	1:16:A:ASN:HA	19	0.34
(1,987)	1:10:A:LEU:HD23	1:16:A:ASN:HA	19	0.34
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD21	13	0.34
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD22	13	0.34
(1,970)	1:54:A:LEU:HA	1:54:A:LEU:HD23	13	0.34
(1,969)	1:54:A:LEU:HD21	1:120:A:TYR:H	13	0.34
(1,969)	1:54:A:LEU:HD22	1:120:A:TYR:H	13	0.34
(1,969)	1:54:A:LEU:HD23	1:120:A:TYR:H	13	0.34
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	4	0.34
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	4	0.34
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	18	0.34
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	18	0.34
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	18	0.34
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	3	0.34
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	7	0.34
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	7	0.34
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	7	0.34
(1,723)	1:42:A:LEU:HD11	1:130:A:HIS:H	15	0.34
(1,723)	1:42:A:LEU:HD12	1:130:A:HIS:H	15	0.34
(1,723)	1:42:A:LEU:HD13	1:130:A:HIS:H	15	0.34
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD21	12	0.34
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD22	12	0.34
(1,641)	1:40:A:PHE:H	1:53:A:LEU:HD23	12	0.34
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	13	0.34
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	14	0.34
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	17	0.34
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	2	0.34
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	12	0.34
(1,404)	1:94:A:GLN:HA	1:94:A:GLN:HG2	14	0.34
(1,317)	1:33:A:ARG:H	1:99:A:GLU:HG2	16	0.34
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	18	0.34
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	8	0.34
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	10	0.34
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	2	0.34
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	8	0.34
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	4	0.34
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	15	0.34
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	20	0.34
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	16	0.34
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	3	0.34
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	19	0.34
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	7	0.34
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	13	0.34
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	8	0.34
(1,2925)	1:97:A:VAL:HG21	1:109:A:SER:H	12	0.33
(1,2925)	1:97:A:VAL:HG22	1:109:A:SER:H	12	0.33
(1,2925)	1:97:A:VAL:HG23	1:109:A:SER:H	12	0.33
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	16	0.33
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	9	0.33
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	1	0.33
(1,2791)	1:76:A:ARG:H	1:76:A:ARG:HG3	3	0.33
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	4	0.33
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	18	0.33
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	9	0.33
(1,2401)	1:93:A:LEU:H	1:112:A:CYS:HB2	12	0.33
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	1	0.33
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	9	0.33
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	15	0.33
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	16	0.33
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	11	0.33
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	9	0.33
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	3	0.33
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	9	0.33
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	15	0.33
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	17	0.33
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	19	0.33
(1,2132)	1:46:A:GLY:HA2	1:52:A:TRP:HZ2	11	0.33
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	5	0.33
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	5	0.33
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	15	0.33
(1,2003)	1:100:A:TRP:HB2	1:100:A:TRP:HD1	16	0.33
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	8	0.33
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	8	0.33
(1,1914)	1:5:A:PHE:HD1	1:112:A:CYS:HB2	15	0.33
(1,1914)	1:5:A:PHE:HD2	1:112:A:CYS:HB2	15	0.33
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	8	0.33
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	5	0.33
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	5	0.33
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	5	0.33
(1,1382)	1:92:A:ALA:HB1	1:93:A:LEU:HB2	15	0.33
(1,1382)	1:92:A:ALA:HB2	1:93:A:LEU:HB2	15	0.33
(1,1382)	1:92:A:ALA:HB3	1:93:A:LEU:HB2	15	0.33
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	13	0.33
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	13	0.33
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	13	0.33
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	14	0.33
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	14	0.33
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	14	0.33
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	15	0.33
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	15	0.33
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	10	0.33
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	10	0.33
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	10	0.33
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	16	0.33
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	16	0.33
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	16	0.33
(1,1126)	1:97:A:VAL:HG21	1:100:A:TRP:HB3	20	0.33
(1,1126)	1:97:A:VAL:HG22	1:100:A:TRP:HB3	20	0.33
(1,1126)	1:97:A:VAL:HG23	1:100:A:TRP:HB3	20	0.33
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	7	0.33
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	7	0.33
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	7	0.33
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	2	0.33
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	2	0.33
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	2	0.33
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG11	9	0.33
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG12	9	0.33
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG13	9	0.33
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG11	9	0.33
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG12	9	0.33
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG13	9	0.33
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG11	9	0.33
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG12	9	0.33
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG13	9	0.33
(1,955)	1:97:A:VAL:HG11	1:100:A:TRP:HZ3	7	0.33
(1,955)	1:97:A:VAL:HG12	1:100:A:TRP:HZ3	7	0.33
(1,955)	1:97:A:VAL:HG13	1:100:A:TRP:HZ3	7	0.33
(1,756)	1:56:A:LEU:HD11	1:57:A:PRO:HA	15	0.33
(1,756)	1:56:A:LEU:HD12	1:57:A:PRO:HA	15	0.33
(1,756)	1:56:A:LEU:HD13	1:57:A:PRO:HA	15	0.33
(1,729)	1:42:A:LEU:HD11	1:133:A:TYR:HA	20	0.33
(1,729)	1:42:A:LEU:HD12	1:133:A:TYR:HA	20	0.33
(1,729)	1:42:A:LEU:HD13	1:133:A:TYR:HA	20	0.33
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD11	20	0.33
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD12	20	0.33
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD13	20	0.33
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	12	0.33
(1,636)	1:146:A:ARG:HG3	1:149:A:ARG:HA	3	0.33
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	2	0.33
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	4	0.33
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	16	0.33
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	9	0.33
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	9	0.33
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	15	0.33
(1,357)	1:111:A:GLN:HG2	1:112:A:CYS:H	6	0.33
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	5	0.33
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	7	0.33
(1,272)	1:38:A:GLU:HG2	1:58:A:GLY:HA2	3	0.33
(1,201)	1:19:A:VAL:HA	1:22:A:ASP:HB2	7	0.33
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	4	0.33
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	11	0.33
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	13	0.33
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	20	0.33
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	12	0.33
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	15	0.33
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	10	0.33
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	11	0.33
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	4	0.33
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	4	0.33
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	4	0.33
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	8	0.32
(1,2858)	1:10:A:LEU:HD21	1:20:A:MET:H	1	0.32
(1,2858)	1:10:A:LEU:HD22	1:20:A:MET:H	1	0.32
(1,2858)	1:10:A:LEU:HD23	1:20:A:MET:H	1	0.32
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	5	0.32
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	11	0.32
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	14	0.32
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	3	0.32
(1,2714)	1:27:A:LEU:HB2	1:72:A:GLU:H	1	0.32
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	11	0.32
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	9	0.32
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	20	0.32
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	14	0.32
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	14	0.32
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	14	0.32
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	8	0.32
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD11	13	0.32
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD12	13	0.32
(1,2217)	1:124:A:TRP:HE1	1:127:A:LEU:HD13	13	0.32
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	1	0.32
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	7	0.32
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	14	0.32
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	10	0.32
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	2	0.32
(1,1976)	1:38:A:GLU:HB3	1:40:A:PHE:HE1	2	0.32
(1,1976)	1:38:A:GLU:HB3	1:40:A:PHE:HE2	2	0.32
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	15	0.32
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	15	0.32
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	9	0.32
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	9	0.32
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	10	0.32
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	10	0.32
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG11	6	0.32
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG12	6	0.32
(1,1908)	1:5:A:PHE:HD1	1:95:A:VAL:HG13	6	0.32
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG11	6	0.32
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG12	6	0.32
(1,1908)	1:5:A:PHE:HD2	1:95:A:VAL:HG13	6	0.32
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	19	0.32
(1,1564)	1:79:A:ASP:HA	1:82:A:GLU:HG3	15	0.32
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	2	0.32
(1,1355)	1:6:A:VAL:HG11	1:11:A:LYS:HG3	20	0.32
(1,1355)	1:6:A:VAL:HG12	1:11:A:LYS:HG3	20	0.32
(1,1355)	1:6:A:VAL:HG13	1:11:A:LYS:HG3	20	0.32
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	17	0.32
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	17	0.32
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	17	0.32
(1,1253)	1:44:A:ILE:HG13	1:51:A:PRO:HA	8	0.32
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	20	0.32
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	20	0.32
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	20	0.32
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	19	0.32
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	19	0.32
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	19	0.32
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD21	15	0.32
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD22	15	0.32
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD23	15	0.32
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	8	0.32
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	8	0.32
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	8	0.32
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	17	0.32
(1,794)	1:75:A:LEU:HD11	1:79:A:ASP:H	14	0.32
(1,794)	1:75:A:LEU:HD12	1:79:A:ASP:H	14	0.32
(1,794)	1:75:A:LEU:HD13	1:79:A:ASP:H	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	14	0.32
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	17	0.32
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	17	0.32
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	7	0.32
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	9	0.32
(1,534)	1:16:A:ASN:HA	1:18:A:LYS:HD2	10	0.32
(1,374)	1:112:A:CYS:H	1:112:A:CYS:HB2	14	0.32
(1,372)	1:112:A:CYS:HB3	1:113:A:PHE:H	14	0.32
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	11	0.32
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	11	0.32
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	20	0.32
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	4	0.32
(1,300)	1:136:A:GLU:H	1:136:A:GLU:HG3	14	0.32
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	1	0.32
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	6	0.32
(1,179)	1:42:A:LEU:HD11	1:133:A:TYR:HB2	15	0.32
(1,179)	1:42:A:LEU:HD12	1:133:A:TYR:HB2	15	0.32
(1,179)	1:42:A:LEU:HD13	1:133:A:TYR:HB2	15	0.32
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	13	0.32
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	13	0.32
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	17	0.32
(1,116)	1:33:A:ARG:HB3	1:98:A:LEU:HB3	5	0.32
(1,116)	1:33:A:ARG:HB3	1:98:A:LEU:HB3	14	0.32
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	7	0.32
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	1	0.32
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	19	0.32
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	1	0.32
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	7	0.32
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	13	0.32
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	16	0.32
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	16	0.32
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	16	0.32
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	16	0.31
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	18	0.31
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	18	0.31
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	13	0.31
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	18	0.31
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	3	0.31
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	1	0.31
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	4	0.31
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	12	0.31
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:62:A:CYS:H	1:62:A:CYS:HB2	13	0.31
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	18	0.31
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	4	0.31
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	18	0.31
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	1	0.31
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	2	0.31
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	20	0.31
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	3	0.31
(1,2084)	1:3:A:HIS:HD2	1:31:A:ARG:HG2	18	0.31
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	8	0.31
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	11	0.31
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	18	0.31
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	20	0.31
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	1	0.31
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	5	0.31
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	11	0.31
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	11	0.31
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	8	0.31
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	8	0.31
(1,1748)	1:39:A:SER:HB3	1:59:A:LYS:HA	8	0.31
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	20	0.31
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	3	0.31
(1,1625)	1:10:A:LEU:HA	1:20:A:MET:HG2	9	0.31
(1,1387)	1:76:A:ARG:HA	1:76:A:ARG:HD2	20	0.31
(1,1354)	1:6:A:VAL:HG11	1:11:A:LYS:HA	12	0.31
(1,1354)	1:6:A:VAL:HG12	1:11:A:LYS:HA	12	0.31
(1,1354)	1:6:A:VAL:HG13	1:11:A:LYS:HA	12	0.31
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG21	6	0.31
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG22	6	0.31
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG23	6	0.31
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	5	0.31
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	5	0.31
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	5	0.31
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG21	3	0.31
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG22	3	0.31
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG23	3	0.31
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	17	0.31
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	17	0.31
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	17	0.31
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD2	20	0.31
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD2	20	0.31
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD2	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD3	20	0.31
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD3	20	0.31
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD3	20	0.31
(1,981)	1:10:A:LEU:HD21	1:17:A:HIS:H	19	0.31
(1,981)	1:10:A:LEU:HD22	1:17:A:HIS:H	19	0.31
(1,981)	1:10:A:LEU:HD23	1:17:A:HIS:H	19	0.31
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG11	1	0.31
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG12	1	0.31
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG13	1	0.31
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG11	1	0.31
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG12	1	0.31
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG13	1	0.31
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG11	1	0.31
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG12	1	0.31
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG13	1	0.31
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB3	4	0.31
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB3	4	0.31
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB3	4	0.31
(1,912)	1:93:A:LEU:HD21	1:112:A:CYS:HB2	4	0.31
(1,912)	1:93:A:LEU:HD22	1:112:A:CYS:HB2	4	0.31
(1,912)	1:93:A:LEU:HD23	1:112:A:CYS:HB2	4	0.31
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	6	0.31
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	1	0.31
(1,869)	1:95:A:VAL:HG11	1:97:A:VAL:HA	17	0.31
(1,869)	1:95:A:VAL:HG12	1:97:A:VAL:HA	17	0.31
(1,869)	1:95:A:VAL:HG13	1:97:A:VAL:HA	17	0.31
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD21	15	0.31
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD22	15	0.31
(1,851)	1:2:A:ALA:HB1	1:75:A:LEU:HD23	15	0.31
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD21	15	0.31
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD22	15	0.31
(1,851)	1:2:A:ALA:HB2	1:75:A:LEU:HD23	15	0.31
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD21	15	0.31
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD22	15	0.31
(1,851)	1:2:A:ALA:HB3	1:75:A:LEU:HD23	15	0.31
(1,822)	1:56:A:LEU:HD11	1:59:A:LYS:HG3	5	0.31
(1,822)	1:56:A:LEU:HD12	1:59:A:LYS:HG3	5	0.31
(1,822)	1:56:A:LEU:HD13	1:59:A:LYS:HG3	5	0.31
(1,650)	1:53:A:LEU:HD21	1:63:A:VAL:HB	15	0.31
(1,650)	1:53:A:LEU:HD22	1:63:A:VAL:HB	15	0.31
(1,650)	1:53:A:LEU:HD23	1:63:A:VAL:HB	15	0.31
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	10	0.31
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	17	0.31
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	9	0.31
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	14	0.31
(1,275)	1:38:A:GLU:H	1:38:A:GLU:HG3	16	0.31
(1,273)	1:38:A:GLU:HG2	1:57:A:PRO:HA	2	0.31
(1,273)	1:38:A:GLU:HG2	1:57:A:PRO:HA	3	0.31
(1,273)	1:38:A:GLU:HG2	1:57:A:PRO:HA	12	0.31
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	14	0.31
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	15	0.31
(1,180)	1:51:A:PRO:HB2	1:133:A:TYR:HB2	15	0.31
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	3	0.31
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	3	0.31
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	3	0.31
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	8	0.31
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	7	0.31
(1,10)	1:8:A:GLY:HA3	1:133:A:TYR:HB2	12	0.31
(1,2)	1:11:A:LYS:HG3	1:65:A:GLY:HA2	11	0.31
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	19	0.3
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	6	0.3
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	8	0.3
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	14	0.3
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	16	0.3
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	19	0.3
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	7	0.3
(1,2434)	1:132:A:SER:HB3	1:133:A:TYR:H	10	0.3
(1,2401)	1:93:A:LEU:H	1:112:A:CYS:HB2	14	0.3
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	14	0.3
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	16	0.3
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	20	0.3
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	2	0.3
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	14	0.3
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	17	0.3
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	6	0.3
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	16	0.3
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	16	0.3
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	9	0.3
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	11	0.3
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	11	0.3
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	10	0.3
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	10	0.3
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG21	18	0.3
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG22	18	0.3
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG23	18	0.3
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	14	0.3
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	14	0.3
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	14	0.3
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG21	14	0.3
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG22	14	0.3
(1,1136)	1:112:A:CYS:HB2	1:114:A:VAL:HG23	14	0.3
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	2	0.3
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	2	0.3
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	2	0.3
(1,946)	1:37:A:VAL:HG11	1:96:A:GLN:HB3	20	0.3
(1,946)	1:37:A:VAL:HG12	1:96:A:GLN:HB3	20	0.3
(1,946)	1:37:A:VAL:HG13	1:96:A:GLN:HB3	20	0.3
(1,946)	1:37:A:VAL:HG21	1:96:A:GLN:HB3	20	0.3
(1,946)	1:37:A:VAL:HG22	1:96:A:GLN:HB3	20	0.3
(1,946)	1:37:A:VAL:HG23	1:96:A:GLN:HB3	20	0.3
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	9	0.3
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD11	15	0.3
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD12	15	0.3
(1,830)	1:41:A:PRO:HB3	1:54:A:LEU:HD13	15	0.3
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	16	0.3
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	16	0.3
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	16	0.3
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	16	0.3
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	16	0.3
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	16	0.3
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	16	0.3
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	16	0.3
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	16	0.3
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	12	0.3
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD1	4	0.3
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD2	4	0.3
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD1	4	0.3
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD2	4	0.3
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD1	4	0.3
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD2	4	0.3
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	7	0.3
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	7	0.3
(1,608)	1:79:A:ASP:HA	1:84:A:CYS:HB2	14	0.3
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	18	0.3
(1,308)	1:101:A:GLU:HA	1:101:A:GLU:HG3	9	0.3
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	4	0.3
(1,150)	1:103:A:ASP:HB3	1:104:A:GLY:HA3	6	0.3
(1,135)	1:53:A:LEU:HB2	1:116:A:THR:HB	2	0.3
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	12	0.3
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	12	0.3
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	12	0.3
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	1	0.3
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	12	0.3
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	8	0.3
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	19	0.3
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	10	0.3
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	19	0.3
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	8	0.3
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	8	0.3
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	8	0.3
(1,2)	1:11:A:LYS:HG3	1:65:A:GLY:HA2	13	0.3
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	5	0.29
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	18	0.29
(1,2766)	1:22:A:ASP:HB2	1:24:A:SER:H	16	0.29
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	19	0.29
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	19	0.29
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	19	0.29
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	1	0.29
(1,2668)	1:103:A:ASP:H	1:103:A:ASP:HB2	20	0.29
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	4	0.29
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	11	0.29
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	17	0.29
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	19	0.29
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	4	0.29
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	12	0.29
(1,2449)	1:142:A:ARG:H	1:142:A:ARG:HD2	4	0.29
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	12	0.29
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	2	0.29
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	1	0.29
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	9	0.29
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	16	0.29
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	16	0.29
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	16	0.29
(1,2069)	1:120:A:TYR:HB3	1:124:A:TRP:HE3	7	0.29
(1,2049)	1:42:A:LEU:HD11	1:130:A:HIS:HD2	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2049)	1:42:A:LEU:HD12	1:130:A:HIS:HD2	6	0.29
(1,2049)	1:42:A:LEU:HD13	1:130:A:HIS:HD2	6	0.29
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	1	0.29
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	6	0.29
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	16	0.29
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	17	0.29
(1,1979)	1:52:A:TRP:HB3	1:52:A:TRP:HD1	13	0.29
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	7	0.29
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	7	0.29
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	1	0.29
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	2	0.29
(1,1564)	1:79:A:ASP:HA	1:82:A:GLU:HG3	20	0.29
(1,1387)	1:76:A:ARG:HA	1:76:A:ARG:HD2	2	0.29
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	11	0.29
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	11	0.29
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	11	0.29
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG11	6	0.29
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG12	6	0.29
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG13	6	0.29
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD21	9	0.29
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD22	9	0.29
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD23	9	0.29
(1,1128)	1:97:A:VAL:HG21	1:110:A:VAL:HB	7	0.29
(1,1128)	1:97:A:VAL:HG22	1:110:A:VAL:HB	7	0.29
(1,1128)	1:97:A:VAL:HG23	1:110:A:VAL:HB	7	0.29
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	1	0.29
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	1	0.29
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	1	0.29
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG21	14	0.29
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG22	14	0.29
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG23	14	0.29
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG21	20	0.29
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG22	20	0.29
(1,1041)	1:63:A:VAL:H	1:63:A:VAL:HG23	20	0.29
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	10	0.29
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	10	0.29
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	10	0.29
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	6	0.29
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	14	0.29
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	20	0.29
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	4	0.29
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	4	0.29
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	14	0.29
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	17	0.29
(1,706)	1:127:A:LEU:HD11	1:128:A:PRO:HD3	9	0.29
(1,706)	1:127:A:LEU:HD12	1:128:A:PRO:HD3	9	0.29
(1,706)	1:127:A:LEU:HD13	1:128:A:PRO:HD3	9	0.29
(1,706)	1:127:A:LEU:HD11	1:128:A:PRO:HD3	14	0.29
(1,706)	1:127:A:LEU:HD12	1:128:A:PRO:HD3	14	0.29
(1,706)	1:127:A:LEU:HD13	1:128:A:PRO:HD3	14	0.29
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	5	0.29
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	5	0.29
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	5	0.29
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	3	0.29
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	3	0.29
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	3	0.29
(1,272)	1:38:A:GLU:HG2	1:58:A:GLY:HA2	2	0.29
(1,228)	1:83:A:ASP:HB2	1:86:A:SER:HB2	16	0.29
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	4	0.29
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	5	0.29
(1,90)	1:30:A:PHE:HE1	1:33:A:ARG:HD2	18	0.29
(1,90)	1:30:A:PHE:HE2	1:33:A:ARG:HD2	18	0.29
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	5	0.29
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	6	0.29
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	15	0.29
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	2	0.29
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	11	0.29
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	15	0.29
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	15	0.28
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	7	0.28
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	20	0.28
(1,2783)	1:33:A:ARG:H	1:33:A:ARG:HG2	9	0.28
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	12	0.28
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	5	0.28
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	13	0.28
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	5	0.28
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	10	0.28
(1,2273)	1:149:A:ARG:H	1:149:A:ARG:HB3	14	0.28
(1,2215)	1:46:A:GLY:HA3	1:124:A:TRP:HE1	2	0.28
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	6	0.28
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	11	0.28
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	19	0.28
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	7	0.28
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	1	0.28
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	1	0.28
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD1	16	0.28
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD2	16	0.28
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD1	16	0.28
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD2	16	0.28
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD1	16	0.28
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD2	16	0.28
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	16	0.28
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	16	0.28
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	13	0.28
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	13	0.28
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	4	0.28
(1,1767)	1:54:A:LEU:HD21	1:120:A:TYR:HA	17	0.28
(1,1767)	1:54:A:LEU:HD22	1:120:A:TYR:HA	17	0.28
(1,1767)	1:54:A:LEU:HD23	1:120:A:TYR:HA	17	0.28
(1,1748)	1:39:A:SER:HB3	1:59:A:LYS:HA	1	0.28
(1,1573)	1:96:A:GLN:HB3	1:109:A:SER:HA	14	0.28
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	14	0.28
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	14	0.28
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	14	0.28
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	14	0.28
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	14	0.28
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	14	0.28
(1,1387)	1:76:A:ARG:HA	1:76:A:ARG:HD2	6	0.28
(1,1300)	1:19:A:VAL:H	1:19:A:VAL:HG21	11	0.28
(1,1300)	1:19:A:VAL:H	1:19:A:VAL:HG22	11	0.28
(1,1300)	1:19:A:VAL:H	1:19:A:VAL:HG23	11	0.28
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG11	14	0.28
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG12	14	0.28
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG13	14	0.28
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG11	19	0.28
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG12	19	0.28
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG13	19	0.28
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG11	12	0.28
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG12	12	0.28
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG13	12	0.28
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	9	0.28
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	9	0.28
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	9	0.28
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	1	0.28
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	1	0.28
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	9	0.28
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	9	0.28
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	9	0.28
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	12	0.28
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	12	0.28
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	12	0.28
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	19	0.28
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	19	0.28
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	19	0.28
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	4	0.28
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	7	0.28
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	7	0.28
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	7	0.28
(1,894)	1:135:A:SER:HB3	1:136:A:GLU:HG3	15	0.28
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	8	0.28
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	10	0.28
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	10	0.28
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	10	0.28
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	10	0.28
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	5	0.28
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	15	0.28
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	16	0.28
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	12	0.28
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	12	0.28
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	12	0.28
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	12	0.28
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	12	0.28
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	12	0.28
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	12	0.28
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	12	0.28
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	12	0.28
(1,591)	1:14:A:GLN:HA	1:15:A:PRO:HG2	19	0.28
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	14	0.28
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	1	0.28
(1,406)	1:37:A:VAL:HG11	1:94:A:GLN:HG2	12	0.28
(1,406)	1:37:A:VAL:HG12	1:94:A:GLN:HG2	12	0.28
(1,406)	1:37:A:VAL:HG13	1:94:A:GLN:HG2	12	0.28
(1,406)	1:37:A:VAL:HG21	1:94:A:GLN:HG2	12	0.28
(1,406)	1:37:A:VAL:HG22	1:94:A:GLN:HG2	12	0.28
(1,406)	1:37:A:VAL:HG23	1:94:A:GLN:HG2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:38:A:GLU:HG2	1:57:A:PRO:HA	16	0.28
(1,234)	1:15:A:PRO:HG3	1:143:A:TYR:HB2	2	0.28
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	15	0.28
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	19	0.28
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	14	0.28
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	19	0.28
(1,174)	1:42:A:LEU:HD11	1:133:A:TYR:HB3	18	0.28
(1,174)	1:42:A:LEU:HD12	1:133:A:TYR:HB3	18	0.28
(1,174)	1:42:A:LEU:HD13	1:133:A:TYR:HB3	18	0.28
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	2	0.28
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	3	0.28
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	20	0.28
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	2	0.28
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	8	0.28
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	9	0.28
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	10	0.28
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	17	0.28
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE1	1	0.28
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE2	1	0.28
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE3	1	0.28
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	4	0.28
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	2	0.28
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	15	0.28
(1,46)	1:137:A:GLY:HA2	1:138:A:PRO:HG2	4	0.28
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	4	0.28
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	7	0.27
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	11	0.27
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	15	0.27
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	8	0.27
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	14	0.27
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	3	0.27
(1,2490)	1:39:A:SER:HB3	1:59:A:LYS:H	13	0.27
(1,2418)	1:42:A:LEU:HD11	1:131:A:GLU:H	18	0.27
(1,2418)	1:42:A:LEU:HD12	1:131:A:GLU:H	18	0.27
(1,2418)	1:42:A:LEU:HD13	1:131:A:GLU:H	18	0.27
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	10	0.27
(1,2154)	1:46:A:GLY:HA2	1:52:A:TRP:HE1	18	0.27
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD21	15	0.27
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD22	15	0.27
(1,2148)	1:42:A:LEU:H	1:53:A:LEU:HD23	15	0.27
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	9	0.27
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	17	0.27
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	2	0.27
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD21	7	0.27
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD22	7	0.27
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD23	7	0.27
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	15	0.27
(1,1557)	1:124:A:TRP:HA	1:127:A:LEU:HB3	12	0.27
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD21	14	0.27
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD22	14	0.27
(1,1421)	1:43:A:VAL:HG11	1:54:A:LEU:HD23	14	0.27
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD21	14	0.27
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD22	14	0.27
(1,1421)	1:43:A:VAL:HG12	1:54:A:LEU:HD23	14	0.27
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD21	14	0.27
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD22	14	0.27
(1,1421)	1:43:A:VAL:HG13	1:54:A:LEU:HD23	14	0.27
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	13	0.27
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	12	0.27
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	12	0.27
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	12	0.27
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	13	0.27
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	13	0.27
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	13	0.27
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	9	0.27
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	9	0.27
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	9	0.27
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	16	0.27
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	16	0.27
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	16	0.27
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	19	0.27
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	19	0.27
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	19	0.27
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG21	9	0.27
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG22	9	0.27
(1,1137)	1:93:A:LEU:HB2	1:114:A:VAL:HG23	9	0.27
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	9	0.27
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	9	0.27
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	9	0.27
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	15	0.27
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	20	0.27
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	20	0.27
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:93:A:LEU:HD21	1:112:A:CYS:H	13	0.27
(1,907)	1:93:A:LEU:HD22	1:112:A:CYS:H	13	0.27
(1,907)	1:93:A:LEU:HD23	1:112:A:CYS:H	13	0.27
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	10	0.27
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	2	0.27
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	2	0.27
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	2	0.27
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	6	0.27
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	6	0.27
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	6	0.27
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	15	0.27
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	15	0.27
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	15	0.27
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB3	5	0.27
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB3	5	0.27
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB3	5	0.27
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB2	5	0.27
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB2	5	0.27
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB2	5	0.27
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	15	0.27
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	15	0.27
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	15	0.27
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	15	0.27
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	15	0.27
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	15	0.27
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	15	0.27
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	15	0.27
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	15	0.27
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	20	0.27
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	20	0.27
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	20	0.27
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	20	0.27
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	20	0.27
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	20	0.27
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	20	0.27
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	20	0.27
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	20	0.27
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	3	0.27
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD11	20	0.27
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD12	20	0.27
(1,690)	1:139:A:HIS:HB2	1:141:A:LEU:HD13	20	0.27
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	2	0.27
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	2	0.27
(1,623)	1:54:A:LEU:HD11	1:125:A:LEU:HG	13	0.27
(1,623)	1:54:A:LEU:HD12	1:125:A:LEU:HG	13	0.27
(1,623)	1:54:A:LEU:HD13	1:125:A:LEU:HG	13	0.27
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	11	0.27
(1,407)	1:96:A:GLN:HG3	1:98:A:LEU:H	9	0.27
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	6	0.27
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	2	0.27
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	15	0.27
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	15	0.27
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	14	0.27
(1,187)	1:22:A:ASP:HB2	1:24:A:SER:HB2	7	0.27
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	13	0.27
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	4	0.27
(1,62)	1:27:A:LEU:HB2	1:71:A:ASP:H	20	0.27
(1,46)	1:137:A:GLY:HA2	1:138:A:PRO:HG2	20	0.27
(1,2885)	1:49:A:ASN:HD22	1:141:A:LEU:HG	6	0.26
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	17	0.26
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	18	0.26
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	9	0.26
(1,2492)	1:59:A:LYS:H	1:59:A:LYS:HG2	8	0.26
(1,2449)	1:142:A:ARG:H	1:142:A:ARG:HD2	13	0.26
(1,2448)	1:140:A:GLY:HA3	1:142:A:ARG:H	10	0.26
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	17	0.26
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	5	0.26
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	8	0.26
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	15	0.26
(1,2154)	1:46:A:GLY:HA2	1:52:A:TRP:HE1	14	0.26
(1,2069)	1:120:A:TYR:HB3	1:124:A:TRP:HE3	4	0.26
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	12	0.26
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	20	0.26
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	20	0.26
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	6	0.26
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	6	0.26
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	13	0.26
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	13	0.26
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	7	0.26
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	7	0.26
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	7	0.26
(1,1748)	1:39:A:SER:HB3	1:59:A:LYS:HA	11	0.26
(1,1632)	1:20:A:MET:HA	1:20:A:MET:HG3	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	7	0.26
(1,1430)	1:18:A:LYS:HA	1:21:A:LEU:HB3	15	0.26
(1,1387)	1:76:A:ARG:HA	1:76:A:ARG:HD2	9	0.26
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG11	16	0.26
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG12	16	0.26
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG13	16	0.26
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG21	15	0.26
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG22	15	0.26
(1,1235)	1:95:A:VAL:H	1:95:A:VAL:HG23	15	0.26
(1,1227)	1:95:A:VAL:HG11	1:97:A:VAL:H	17	0.26
(1,1227)	1:95:A:VAL:HG12	1:97:A:VAL:H	17	0.26
(1,1227)	1:95:A:VAL:HG13	1:97:A:VAL:H	17	0.26
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	7	0.26
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	7	0.26
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	7	0.26
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	2	0.26
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	2	0.26
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	2	0.26
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	10	0.26
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	10	0.26
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	10	0.26
(1,1152)	1:97:A:VAL:HG21	1:106:A:PRO:HG2	9	0.26
(1,1152)	1:97:A:VAL:HG22	1:106:A:PRO:HG2	9	0.26
(1,1152)	1:97:A:VAL:HG23	1:106:A:PRO:HG2	9	0.26
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD2	19	0.26
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD2	19	0.26
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD2	19	0.26
(1,1143)	1:127:A:LEU:HD21	1:128:A:PRO:HD3	19	0.26
(1,1143)	1:127:A:LEU:HD22	1:128:A:PRO:HD3	19	0.26
(1,1143)	1:127:A:LEU:HD23	1:128:A:PRO:HD3	19	0.26
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	11	0.26
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	11	0.26
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	11	0.26
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	4	0.26
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	4	0.26
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	4	0.26
(1,901)	1:125:A:LEU:HA	1:125:A:LEU:HD21	7	0.26
(1,901)	1:125:A:LEU:HA	1:125:A:LEU:HD22	7	0.26
(1,901)	1:125:A:LEU:HA	1:125:A:LEU:HD23	7	0.26
(1,893)	1:38:A:GLU:HA	1:39:A:SER:HB3	8	0.26
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	9	0.26
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	9	0.26
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	18	0.26
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	18	0.26
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	18	0.26
(1,850)	1:75:A:LEU:HD21	1:90:A:ARG:HD3	15	0.26
(1,850)	1:75:A:LEU:HD22	1:90:A:ARG:HD3	15	0.26
(1,850)	1:75:A:LEU:HD23	1:90:A:ARG:HD3	15	0.26
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD11	2	0.26
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD12	2	0.26
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD13	2	0.26
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD11	2	0.26
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD12	2	0.26
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD13	2	0.26
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD11	2	0.26
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD12	2	0.26
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD13	2	0.26
(1,780)	1:64:A:THR:H	1:132:A:SER:HB2	5	0.26
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	18	0.26
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	18	0.26
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	18	0.26
(1,729)	1:42:A:LEU:HD11	1:133:A:TYR:HA	6	0.26
(1,729)	1:42:A:LEU:HD12	1:133:A:TYR:HA	6	0.26
(1,729)	1:42:A:LEU:HD13	1:133:A:TYR:HA	6	0.26
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	11	0.26
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	5	0.26
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD21	8	0.26
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD22	8	0.26
(1,648)	1:42:A:LEU:HB3	1:53:A:LEU:HD23	8	0.26
(1,630)	1:43:A:VAL:HA	1:44:A:ILE:HG12	4	0.26
(1,608)	1:79:A:ASP:HA	1:84:A:CYS:HB2	2	0.26
(1,608)	1:79:A:ASP:HA	1:84:A:CYS:HB2	17	0.26
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	5	0.26
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	15	0.26
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	13	0.26
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	10	0.26
(1,402)	1:94:A:GLN:HG2	1:95:A:VAL:H	16	0.26
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	6	0.26
(1,371)	1:110:A:VAL:HG11	1:112:A:CYS:HB3	2	0.26
(1,371)	1:110:A:VAL:HG12	1:112:A:CYS:HB3	2	0.26
(1,371)	1:110:A:VAL:HG13	1:112:A:CYS:HB3	2	0.26
(1,292)	1:69:A:GLU:HG3	1:70:A:VAL:H	9	0.26
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	13	0.26
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	7	0.26
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	12	0.26
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	18	0.25
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	2	0.25
(1,2807)	1:126:A:PHE:H	1:126:A:PHE:HB3	9	0.25
(1,2766)	1:22:A:ASP:HB2	1:24:A:SER:H	7	0.25
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	12	0.25
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	12	0.25
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	12	0.25
(1,2645)	1:93:A:LEU:HD21	1:113:A:PHE:H	10	0.25
(1,2645)	1:93:A:LEU:HD22	1:113:A:PHE:H	10	0.25
(1,2645)	1:93:A:LEU:HD23	1:113:A:PHE:H	10	0.25
(1,2541)	1:147:A:GLU:H	1:148:A:ASN:HB3	10	0.25
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	10	0.25
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	10	0.25
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	10	0.25
(1,2346)	1:89:A:GLN:HB2	1:90:A:ARG:H	8	0.25
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	13	0.25
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	16	0.25
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	14	0.25
(1,1998)	1:100:A:TRP:HD1	1:105:A:ASP:HB3	15	0.25
(1,1387)	1:76:A:ARG:HA	1:76:A:ARG:HD2	5	0.25
(1,1387)	1:76:A:ARG:HA	1:76:A:ARG:HD2	14	0.25
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG11	10	0.25
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG12	10	0.25
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG13	10	0.25
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG11	2	0.25
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG12	2	0.25
(1,1274)	1:3:A:HIS:HB3	1:110:A:VAL:HG13	2	0.25
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	1	0.25
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	1	0.25
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	1	0.25
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	7	0.25
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	7	0.25
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	7	0.25
(1,1128)	1:97:A:VAL:HG21	1:110:A:VAL:HB	14	0.25
(1,1128)	1:97:A:VAL:HG22	1:110:A:VAL:HB	14	0.25
(1,1128)	1:97:A:VAL:HG23	1:110:A:VAL:HB	14	0.25
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	3	0.25
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	3	0.25
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	9	0.25
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	9	0.25
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	9	0.25
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	7	0.25
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	7	0.25
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	7	0.25
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	7	0.25
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	7	0.25
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	7	0.25
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	7	0.25
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	7	0.25
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	7	0.25
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	15	0.25
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	15	0.25
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	15	0.25
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG21	1	0.25
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG22	1	0.25
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG23	1	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG21	1	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG22	1	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG23	1	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG21	1	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG22	1	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG23	1	0.25
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG21	16	0.25
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG22	16	0.25
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG23	16	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG21	16	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG22	16	0.25
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG23	16	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG21	16	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG22	16	0.25
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG23	16	0.25
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	4	0.25
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	4	0.25
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	4	0.25
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	7	0.25
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	7	0.25
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	7	0.25
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB3	6	0.25
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB3	6	0.25
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB3	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB2	6	0.25
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB2	6	0.25
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB2	6	0.25
(1,780)	1:64:A:THR:H	1:132:A:SER:HB2	20	0.25
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	1	0.25
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	1	0.25
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	1	0.25
(1,650)	1:53:A:LEU:HD21	1:63:A:VAL:HB	3	0.25
(1,650)	1:53:A:LEU:HD22	1:63:A:VAL:HB	3	0.25
(1,650)	1:53:A:LEU:HD23	1:63:A:VAL:HB	3	0.25
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	6	0.25
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	6	0.25
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	4	0.25
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	4	0.25
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	13	0.25
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	13	0.25
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	8	0.25
(1,593)	1:73:A:GLN:HB2	1:74:A:MET:H	18	0.25
(1,570)	1:59:A:LYS:HD3	1:60:A:GLY:H	3	0.25
(1,570)	1:59:A:LYS:HD3	1:60:A:GLY:H	16	0.25
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	18	0.25
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	1	0.25
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	14	0.25
(1,327)	1:106:A:PRO:HB3	1:110:A:VAL:HB	10	0.25
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	4	0.25
(1,125)	1:71:A:ASP:HB3	1:73:A:GLN:H	1	0.25
(1,116)	1:33:A:ARG:HB3	1:98:A:LEU:HB3	1	0.25
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	12	0.25
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	11	0.25
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	1	0.25
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	1	0.25
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	1	0.25
(1,15)	1:7:A:TYR:H	1:8:A:GLY:HA3	15	0.25
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	11	0.24
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	15	0.24
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	4	0.24
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	8	0.24
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	9	0.24
(1,2572)	1:147:A:GLU:HG3	1:148:A:ASN:H	8	0.24
(1,2572)	1:147:A:GLU:HG3	1:148:A:ASN:H	14	0.24
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	20	0.24
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2008)	1:17:A:HIS:HD2	1:20:A:MET:HG2	2	0.24
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	2	0.24
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	2	0.24
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	17	0.24
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	5	0.24
(1,1354)	1:6:A:VAL:HG11	1:11:A:LYS:HA	14	0.24
(1,1354)	1:6:A:VAL:HG12	1:11:A:LYS:HA	14	0.24
(1,1354)	1:6:A:VAL:HG13	1:11:A:LYS:HA	14	0.24
(1,1228)	1:95:A:VAL:HG11	1:96:A:GLN:HA	6	0.24
(1,1228)	1:95:A:VAL:HG12	1:96:A:GLN:HA	6	0.24
(1,1228)	1:95:A:VAL:HG13	1:96:A:GLN:HA	6	0.24
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	15	0.24
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	15	0.24
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	15	0.24
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	11	0.24
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	11	0.24
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	11	0.24
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	4	0.24
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	4	0.24
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	4	0.24
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD11	5	0.24
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD12	5	0.24
(1,1021)	1:41:A:PRO:HA	1:54:A:LEU:HD13	5	0.24
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG11	8	0.24
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG12	8	0.24
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG13	8	0.24
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG11	8	0.24
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG12	8	0.24
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG13	8	0.24
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG11	8	0.24
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG12	8	0.24
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG13	8	0.24
(1,894)	1:135:A:SER:HB3	1:136:A:GLU:HG3	1	0.24
(1,864)	1:18:A:LYS:HG2	1:19:A:VAL:HG11	11	0.24
(1,864)	1:18:A:LYS:HG2	1:19:A:VAL:HG12	11	0.24
(1,864)	1:18:A:LYS:HG2	1:19:A:VAL:HG13	11	0.24
(1,864)	1:18:A:LYS:HG3	1:19:A:VAL:HG11	11	0.24
(1,864)	1:18:A:LYS:HG3	1:19:A:VAL:HG12	11	0.24
(1,864)	1:18:A:LYS:HG3	1:19:A:VAL:HG13	11	0.24
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB3	18	0.24
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB3	18	0.24
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB3	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB2	18	0.24
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB2	18	0.24
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB2	18	0.24
(1,780)	1:64:A:THR:H	1:132:A:SER:HB2	13	0.24
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB3	18	0.24
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB3	18	0.24
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB3	18	0.24
(1,730)	1:42:A:LEU:HD11	1:130:A:HIS:HB2	18	0.24
(1,730)	1:42:A:LEU:HD12	1:130:A:HIS:HB2	18	0.24
(1,730)	1:42:A:LEU:HD13	1:130:A:HIS:HB2	18	0.24
(1,723)	1:42:A:LEU:HD11	1:130:A:HIS:H	14	0.24
(1,723)	1:42:A:LEU:HD12	1:130:A:HIS:H	14	0.24
(1,723)	1:42:A:LEU:HD13	1:130:A:HIS:H	14	0.24
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	16	0.24
(1,570)	1:59:A:LYS:HD3	1:60:A:GLY:H	7	0.24
(1,540)	1:11:A:LYS:H	1:12:A:ARG:HB3	17	0.24
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	11	0.24
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	15	0.24
(1,317)	1:33:A:ARG:H	1:99:A:GLU:HG2	20	0.24
(1,305)	1:30:A:PHE:HE1	1:101:A:GLU:HG3	14	0.24
(1,305)	1:30:A:PHE:HE2	1:101:A:GLU:HG3	14	0.24
(1,227)	1:48:A:HIS:HB3	1:144:A:ASN:HB3	16	0.24
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	18	0.24
(1,204)	1:54:A:LEU:HD21	1:120:A:TYR:HB3	16	0.24
(1,204)	1:54:A:LEU:HD22	1:120:A:TYR:HB3	16	0.24
(1,204)	1:54:A:LEU:HD23	1:120:A:TYR:HB3	16	0.24
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD1	6	0.24
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD2	6	0.24
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	4	0.24
(1,116)	1:33:A:ARG:HB3	1:98:A:LEU:HB3	15	0.24
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	6	0.24
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	10	0.24
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	5	0.24
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	6	0.24
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	17	0.24
(1,10)	1:8:A:GLY:HA3	1:133:A:TYR:HB2	5	0.24
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	15	0.23
(1,2895)	1:147:A:GLU:HG3	1:148:A:ASN:HD22	4	0.23
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	16	0.23
(1,2346)	1:89:A:GLN:HB2	1:90:A:ARG:H	5	0.23
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	20	0.23
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	6	0.23
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	6	0.23
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	2	0.23
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	2	0.23
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	2	0.23
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	6	0.23
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	6	0.23
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD1	4	0.23
(1,1960)	1:75:A:LEU:HD21	1:113:A:PHE:HD2	4	0.23
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD1	4	0.23
(1,1960)	1:75:A:LEU:HD22	1:113:A:PHE:HD2	4	0.23
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD1	4	0.23
(1,1960)	1:75:A:LEU:HD23	1:113:A:PHE:HD2	4	0.23
(1,1926)	1:40:A:PHE:HD1	1:41:A:PRO:HD3	7	0.23
(1,1926)	1:40:A:PHE:HD2	1:41:A:PRO:HD3	7	0.23
(1,1888)	1:55:A:TYR:HD1	1:57:A:PRO:HD2	14	0.23
(1,1888)	1:55:A:TYR:HD2	1:57:A:PRO:HD2	14	0.23
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	4	0.23
(1,1573)	1:96:A:GLN:HB3	1:109:A:SER:HA	10	0.23
(1,1556)	1:40:A:PHE:HA	1:41:A:PRO:HG2	20	0.23
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	15	0.23
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	15	0.23
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	15	0.23
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	15	0.23
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	15	0.23
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	15	0.23
(1,1387)	1:76:A:ARG:HA	1:76:A:ARG:HD2	1	0.23
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	16	0.23
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG11	6	0.23
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG12	6	0.23
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG13	6	0.23
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG11	6	0.23
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG12	6	0.23
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG13	6	0.23
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG11	6	0.23
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG12	6	0.23
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG13	6	0.23
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	16	0.23
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	16	0.23
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	16	0.23
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	17	0.23
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	17	0.23
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	19	0.23
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	19	0.23
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	19	0.23
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	11	0.23
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	11	0.23
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	11	0.23
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG21	1	0.23
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG22	1	0.23
(1,1050)	1:40:A:PHE:HB3	1:63:A:VAL:HG23	1	0.23
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	11	0.23
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	11	0.23
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	11	0.23
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	20	0.23
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	20	0.23
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	20	0.23
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	17	0.23
(1,808)	1:75:A:LEU:HD11	1:76:A:ARG:H	17	0.23
(1,808)	1:75:A:LEU:HD12	1:76:A:ARG:H	17	0.23
(1,808)	1:75:A:LEU:HD13	1:76:A:ARG:H	17	0.23
(1,780)	1:64:A:THR:H	1:132:A:SER:HB2	9	0.23
(1,729)	1:42:A:LEU:HD11	1:133:A:TYR:HA	15	0.23
(1,729)	1:42:A:LEU:HD12	1:133:A:TYR:HA	15	0.23
(1,729)	1:42:A:LEU:HD13	1:133:A:TYR:HA	15	0.23
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	12	0.23
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	12	0.23
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD1	17	0.23
(1,633)	1:44:A:ILE:HG13	1:133:A:TYR:HD2	17	0.23
(1,591)	1:14:A:GLN:HA	1:15:A:PRO:HG2	15	0.23
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	17	0.23
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	17	0.23
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	17	0.23
(1,570)	1:59:A:LYS:HD3	1:60:A:GLY:H	15	0.23
(1,555)	1:32:A:GLY:HA3	1:33:A:ARG:HG2	19	0.23
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	17	0.23
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	13	0.23
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	13	0.23
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	13	0.23
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	13	0.23
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	13	0.23
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	13	0.23
(1,384)	1:96:A:GLN:HG2	1:109:A:SER:HA	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:112:A:CYS:H	1:112:A:CYS:HB2	17	0.23
(1,303)	1:29:A:ALA:HB1	1:69:A:GLU:HG3	10	0.23
(1,303)	1:29:A:ALA:HB2	1:69:A:GLU:HG3	10	0.23
(1,303)	1:29:A:ALA:HB3	1:69:A:GLU:HG3	10	0.23
(1,303)	1:29:A:ALA:HB1	1:69:A:GLU:HG3	14	0.23
(1,303)	1:29:A:ALA:HB2	1:69:A:GLU:HG3	14	0.23
(1,303)	1:29:A:ALA:HB3	1:69:A:GLU:HG3	14	0.23
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	7	0.23
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	16	0.23
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	19	0.23
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	10	0.23
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	10	0.23
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	10	0.23
(1,116)	1:33:A:ARG:HB3	1:98:A:LEU:HB3	2	0.23
(1,86)	1:146:A:ARG:HE	1:149:A:ARG:HD2	15	0.23
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	10	0.23
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	18	0.23
(1,43)	1:39:A:SER:HB3	1:58:A:GLY:HA2	17	0.23
(1,2875)	1:86:A:SER:HB2	1:88:A:TYR:H	12	0.22
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	12	0.22
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG21	18	0.22
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG22	18	0.22
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG23	18	0.22
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	20	0.22
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	11	0.22
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	6	0.22
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	9	0.22
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	17	0.22
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	16	0.22
(1,2154)	1:46:A:GLY:HA2	1:52:A:TRP:HE1	12	0.22
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	10	0.22
(1,2057)	1:48:A:HIS:HB2	1:48:A:HIS:HD2	18	0.22
(1,1925)	1:40:A:PHE:HD1	1:57:A:PRO:HD2	18	0.22
(1,1925)	1:40:A:PHE:HD2	1:57:A:PRO:HD2	18	0.22
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	16	0.22
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	16	0.22
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	9	0.22
(1,1748)	1:39:A:SER:HB3	1:59:A:LYS:HA	6	0.22
(1,1228)	1:95:A:VAL:HG11	1:96:A:GLN:HA	15	0.22
(1,1228)	1:95:A:VAL:HG12	1:96:A:GLN:HA	15	0.22
(1,1228)	1:95:A:VAL:HG13	1:96:A:GLN:HA	15	0.22
(1,1152)	1:97:A:VAL:HG21	1:106:A:PRO:HG2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:97:A:VAL:HG22	1:106:A:PRO:HG2	19	0.22
(1,1152)	1:97:A:VAL:HG23	1:106:A:PRO:HG2	19	0.22
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	5	0.22
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	5	0.22
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	5	0.22
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	19	0.22
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	19	0.22
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	19	0.22
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD11	3	0.22
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD12	3	0.22
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD13	3	0.22
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	12	0.22
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	12	0.22
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	12	0.22
(1,822)	1:56:A:LEU:HD11	1:59:A:LYS:HG3	9	0.22
(1,822)	1:56:A:LEU:HD12	1:59:A:LYS:HG3	9	0.22
(1,822)	1:56:A:LEU:HD13	1:59:A:LYS:HG3	9	0.22
(1,792)	1:36:A:THR:HB	1:93:A:LEU:HD11	3	0.22
(1,792)	1:36:A:THR:HB	1:93:A:LEU:HD12	3	0.22
(1,792)	1:36:A:THR:HB	1:93:A:LEU:HD13	3	0.22
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD11	20	0.22
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD12	20	0.22
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD13	20	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG21	11	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG22	11	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG23	11	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG21	14	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG22	14	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG23	14	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG21	19	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG22	19	0.22
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG23	19	0.22
(1,712)	1:97:A:VAL:H	1:109:A:SER:HB2	7	0.22
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD11	15	0.22
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD12	15	0.22
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD13	15	0.22
(1,624)	1:146:A:ARG:HG3	1:147:A:GLU:H	1	0.22
(1,606)	1:84:A:CYS:HB3	1:89:A:GLN:HA	7	0.22
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	16	0.22
(1,532)	1:18:A:LYS:HD2	1:19:A:VAL:H	8	0.22
(1,524)	1:96:A:GLN:HB3	1:96:A:GLN:HE22	4	0.22
(1,524)	1:96:A:GLN:HB3	1:96:A:GLN:HE22	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	16	0.22
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	9	0.22
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	19	0.22
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	8	0.22
(1,400)	1:61:A:HIS:HB3	1:131:A:GLU:HB3	9	0.22
(1,372)	1:112:A:CYS:HB3	1:113:A:PHE:H	18	0.22
(1,305)	1:30:A:PHE:HE1	1:101:A:GLU:HG3	11	0.22
(1,305)	1:30:A:PHE:HE2	1:101:A:GLU:HG3	11	0.22
(1,210)	1:83:A:ASP:HB3	1:88:A:TYR:H	9	0.22
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	6	0.22
(1,174)	1:42:A:LEU:HD11	1:133:A:TYR:HB3	6	0.22
(1,174)	1:42:A:LEU:HD12	1:133:A:TYR:HB3	6	0.22
(1,174)	1:42:A:LEU:HD13	1:133:A:TYR:HB3	6	0.22
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	5	0.22
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	17	0.22
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	15	0.22
(1,46)	1:137:A:GLY:HA2	1:138:A:PRO:HG2	16	0.22
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	6	0.21
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	13	0.21
(1,2766)	1:22:A:ASP:HB2	1:24:A:SER:H	15	0.21
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	3	0.21
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	14	0.21
(1,2490)	1:39:A:SER:HB3	1:59:A:LYS:H	8	0.21
(1,2486)	1:67:A:ILE:H	1:67:A:ILE:HG12	17	0.21
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	17	0.21
(1,2368)	1:22:A:ASP:HB2	1:23:A:HIS:H	16	0.21
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	5	0.21
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	1	0.21
(1,2181)	1:100:A:TRP:HB2	1:100:A:TRP:HE1	3	0.21
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	17	0.21
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD1	19	0.21
(1,1923)	1:8:A:GLY:HA2	1:133:A:TYR:HD2	19	0.21
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	5	0.21
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	5	0.21
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	5	0.21
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	14	0.21
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD21	16	0.21
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD22	16	0.21
(1,1642)	1:35:A:CYS:HA	1:98:A:LEU:HD23	16	0.21
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	10	0.21
(1,1352)	1:6:A:VAL:HG11	1:67:A:ILE:HA	14	0.21
(1,1352)	1:6:A:VAL:HG12	1:67:A:ILE:HA	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:6:A:VAL:HG13	1:67:A:ILE:HA	14	0.21
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG11	19	0.21
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG12	19	0.21
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG13	19	0.21
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG11	19	0.21
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG12	19	0.21
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG13	19	0.21
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG11	19	0.21
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG12	19	0.21
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG13	19	0.21
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	19	0.21
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	19	0.21
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	19	0.21
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD21	11	0.21
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD22	11	0.21
(1,1111)	1:35:A:CYS:HB2	1:98:A:LEU:HD23	11	0.21
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	10	0.21
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	10	0.21
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	10	0.21
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	14	0.21
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	5	0.21
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	5	0.21
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	5	0.21
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	14	0.21
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	14	0.21
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	14	0.21
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	13	0.21
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	13	0.21
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	13	0.21
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	1	0.21
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	1	0.21
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	1	0.21
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	1	0.21
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	1	0.21
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	1	0.21
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	1	0.21
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	1	0.21
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	1	0.21
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	15	0.21
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	15	0.21
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	15	0.21
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	15	0.21
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	15	0.21
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	15	0.21
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	15	0.21
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	15	0.21
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	14	0.21
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	14	0.21
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB2	6	0.21
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB3	6	0.21
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	20	0.21
(1,313)	1:31:A:ARG:HG2	1:69:A:GLU:HG2	5	0.21
(1,234)	1:15:A:PRO:HG3	1:143:A:TYR:HB2	15	0.21
(1,214)	1:83:A:ASP:HB3	1:87:A:MET:HB2	9	0.21
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	11	0.21
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	18	0.21
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	4	0.21
(1,29)	1:59:A:LYS:HB2	1:60:A:GLY:HA2	4	0.21
(1,29)	1:59:A:LYS:HB3	1:60:A:GLY:HA2	4	0.21
(1,10)	1:8:A:GLY:HA3	1:133:A:TYR:HB2	1	0.21
(1,2914)	1:53:A:LEU:HB2	1:117:A:THR:H	7	0.2
(1,2905)	1:73:A:GLN:HE22	1:76:A:ARG:HB3	9	0.2
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	20	0.2
(1,2490)	1:39:A:SER:HB3	1:59:A:LYS:H	1	0.2
(1,2422)	1:85:A:PRO:HG3	1:86:A:SER:H	20	0.2
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	8	0.2
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	5	0.2
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	5	0.2
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	5	0.2
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	8	0.2
(1,1750)	1:59:A:LYS:HA	1:59:A:LYS:HG2	2	0.2
(1,1632)	1:20:A:MET:HA	1:20:A:MET:HG3	9	0.2
(1,1573)	1:96:A:GLN:HB3	1:109:A:SER:HA	12	0.2
(1,1573)	1:96:A:GLN:HB3	1:109:A:SER:HA	20	0.2
(1,1556)	1:40:A:PHE:HA	1:41:A:PRO:HG2	10	0.2
(1,1544)	1:86:A:SER:HB2	1:87:A:MET:HA	11	0.2
(1,1440)	1:12:A:ARG:HA	1:13:A:GLY:HA3	6	0.2
(1,1407)	1:49:A:ASN:HB3	1:143:A:TYR:HA	17	0.2
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD11	16	0.2
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD12	16	0.2
(1,1401)	1:6:A:VAL:HA	1:10:A:LEU:HD13	16	0.2
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG11	19	0.2
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG12	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:95:A:VAL:H	1:110:A:VAL:HG13	19	0.2
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG21	17	0.2
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG22	17	0.2
(1,1244)	1:93:A:LEU:HD11	1:95:A:VAL:HG23	17	0.2
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG21	17	0.2
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG22	17	0.2
(1,1244)	1:93:A:LEU:HD12	1:95:A:VAL:HG23	17	0.2
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG21	17	0.2
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG22	17	0.2
(1,1244)	1:93:A:LEU:HD13	1:95:A:VAL:HG23	17	0.2
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	20	0.2
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	20	0.2
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	20	0.2
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD21	16	0.2
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD22	16	0.2
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD23	16	0.2
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	4	0.2
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	4	0.2
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	4	0.2
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	16	0.2
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	16	0.2
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	16	0.2
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD21	18	0.2
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD22	18	0.2
(1,1112)	1:96:A:GLN:HG2	1:98:A:LEU:HD23	18	0.2
(1,984)	1:10:A:LEU:HD21	1:17:A:HIS:HA	19	0.2
(1,984)	1:10:A:LEU:HD22	1:17:A:HIS:HA	19	0.2
(1,984)	1:10:A:LEU:HD23	1:17:A:HIS:HA	19	0.2
(1,965)	1:54:A:LEU:H	1:54:A:LEU:HD21	13	0.2
(1,965)	1:54:A:LEU:H	1:54:A:LEU:HD22	13	0.2
(1,965)	1:54:A:LEU:H	1:54:A:LEU:HD23	13	0.2
(1,888)	1:39:A:SER:HB3	1:58:A:GLY:H	13	0.2
(1,869)	1:95:A:VAL:HG11	1:97:A:VAL:HA	15	0.2
(1,869)	1:95:A:VAL:HG12	1:97:A:VAL:HA	15	0.2
(1,869)	1:95:A:VAL:HG13	1:97:A:VAL:HA	15	0.2
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB3	10	0.2
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB3	10	0.2
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB3	10	0.2
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB2	10	0.2
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB2	10	0.2
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB2	10	0.2
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	14	0.2
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	14	0.2
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	14	0.2
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	14	0.2
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	14	0.2
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	14	0.2
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	14	0.2
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	14	0.2
(1,628)	1:6:A:VAL:HG21	1:10:A:LEU:HG	12	0.2
(1,628)	1:6:A:VAL:HG22	1:10:A:LEU:HG	12	0.2
(1,628)	1:6:A:VAL:HG23	1:10:A:LEU:HG	12	0.2
(1,625)	1:10:A:LEU:HG	1:16:A:ASN:HB2	15	0.2
(1,624)	1:146:A:ARG:HG3	1:147:A:GLU:H	8	0.2
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG21	15	0.2
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG22	15	0.2
(1,579)	1:41:A:PRO:HG3	1:43:A:VAL:HG23	15	0.2
(1,406)	1:37:A:VAL:HG11	1:94:A:GLN:HG2	13	0.2
(1,406)	1:37:A:VAL:HG12	1:94:A:GLN:HG2	13	0.2
(1,406)	1:37:A:VAL:HG13	1:94:A:GLN:HG2	13	0.2
(1,406)	1:37:A:VAL:HG21	1:94:A:GLN:HG2	13	0.2
(1,406)	1:37:A:VAL:HG22	1:94:A:GLN:HG2	13	0.2
(1,406)	1:37:A:VAL:HG23	1:94:A:GLN:HG2	13	0.2
(1,371)	1:110:A:VAL:HG11	1:112:A:CYS:HB3	19	0.2
(1,371)	1:110:A:VAL:HG12	1:112:A:CYS:HB3	19	0.2
(1,371)	1:110:A:VAL:HG13	1:112:A:CYS:HB3	19	0.2
(1,303)	1:29:A:ALA:HB1	1:69:A:GLU:HG3	6	0.2
(1,303)	1:29:A:ALA:HB2	1:69:A:GLU:HG3	6	0.2
(1,303)	1:29:A:ALA:HB3	1:69:A:GLU:HG3	6	0.2
(1,262)	1:88:A:TYR:HB3	1:115:A:TYR:HB2	20	0.2
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	3	0.2
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	1	0.2
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	18	0.2
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	19	0.2
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	1	0.2
(1,88)	1:149:A:ARG:HB2	1:149:A:ARG:HD2	15	0.2
(1,88)	1:149:A:ARG:HB3	1:149:A:ARG:HD2	15	0.2
(1,29)	1:59:A:LYS:HB2	1:60:A:GLY:HA2	13	0.2
(1,29)	1:59:A:LYS:HB3	1:60:A:GLY:HA2	13	0.2
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	12	0.2
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	12	0.2
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	12	0.2
(1,2934)	1:14:A:GLN:HA	1:16:A:ASN:HD21	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	4	0.19
(1,2784)	1:33:A:ARG:H	1:33:A:ARG:HB2	2	0.19
(1,2743)	1:22:A:ASP:HB2	1:25:A:HIS:H	15	0.19
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG21	6	0.19
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG22	6	0.19
(1,2617)	1:94:A:GLN:H	1:95:A:VAL:HG23	6	0.19
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	2	0.19
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	13	0.19
(1,2393)	1:127:A:LEU:H	1:127:A:LEU:HB3	19	0.19
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	10	0.19
(1,2368)	1:22:A:ASP:HB2	1:23:A:HIS:H	19	0.19
(1,2033)	1:100:A:TRP:HB3	1:100:A:TRP:HE3	14	0.19
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	18	0.19
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	18	0.19
(1,1846)	1:144:A:ASN:HA	1:147:A:GLU:HG3	2	0.19
(1,1573)	1:96:A:GLN:HB3	1:109:A:SER:HA	7	0.19
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	6	0.19
(1,1513)	1:20:A:MET:HB3	1:74:A:MET:HE1	6	0.19
(1,1513)	1:20:A:MET:HB3	1:74:A:MET:HE2	6	0.19
(1,1513)	1:20:A:MET:HB3	1:74:A:MET:HE3	6	0.19
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG11	10	0.19
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG12	10	0.19
(1,1296)	1:67:A:ILE:HG21	1:110:A:VAL:HG13	10	0.19
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG11	10	0.19
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG12	10	0.19
(1,1296)	1:67:A:ILE:HG22	1:110:A:VAL:HG13	10	0.19
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG11	10	0.19
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG12	10	0.19
(1,1296)	1:67:A:ILE:HG23	1:110:A:VAL:HG13	10	0.19
(1,1227)	1:95:A:VAL:HG11	1:97:A:VAL:H	6	0.19
(1,1227)	1:95:A:VAL:HG12	1:97:A:VAL:H	6	0.19
(1,1227)	1:95:A:VAL:HG13	1:97:A:VAL:H	6	0.19
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	13	0.19
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	13	0.19
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	13	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	3	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	3	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	3	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	5	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	5	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	5	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	13	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	13	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	14	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	14	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	14	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	18	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	18	0.19
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	18	0.19
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD21	12	0.19
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD22	12	0.19
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD23	12	0.19
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	3	0.19
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	3	0.19
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	3	0.19
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG21	20	0.19
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG22	20	0.19
(1,1095)	1:53:A:LEU:HB2	1:116:A:THR:HG23	20	0.19
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	12	0.19
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	12	0.19
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	12	0.19
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	12	0.19
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	12	0.19
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	12	0.19
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	12	0.19
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	12	0.19
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	12	0.19
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	6	0.19
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	6	0.19
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	6	0.19
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	17	0.19
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	17	0.19
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	17	0.19
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG11	17	0.19
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG12	17	0.19
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG13	17	0.19
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG11	17	0.19
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG12	17	0.19
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG13	17	0.19
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG11	17	0.19
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG12	17	0.19
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG13	17	0.19
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	3	0.19
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	3	0.19
(1,871)	1:27:A:LEU:HD21	1:29:A:ALA:H	9	0.19
(1,871)	1:27:A:LEU:HD22	1:29:A:ALA:H	9	0.19
(1,871)	1:27:A:LEU:HD23	1:29:A:ALA:H	9	0.19
(1,871)	1:27:A:LEU:HD21	1:29:A:ALA:H	16	0.19
(1,871)	1:27:A:LEU:HD22	1:29:A:ALA:H	16	0.19
(1,871)	1:27:A:LEU:HD23	1:29:A:ALA:H	16	0.19
(1,776)	1:56:A:LEU:HD21	1:57:A:PRO:HD3	11	0.19
(1,776)	1:56:A:LEU:HD22	1:57:A:PRO:HD3	11	0.19
(1,776)	1:56:A:LEU:HD23	1:57:A:PRO:HD3	11	0.19
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD21	7	0.19
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD22	7	0.19
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD23	7	0.19
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	12	0.19
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	12	0.19
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	11	0.19
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	3	0.19
(1,310)	1:32:A:GLY:HA2	1:101:A:GLU:HG3	10	0.19
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD11	2	0.19
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD12	2	0.19
(1,286)	1:49:A:ASN:HB2	1:141:A:LEU:HD13	2	0.19
(1,263)	1:72:A:GLU:HB2	1:72:A:GLU:HG2	11	0.19
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	7	0.19
(1,226)	1:143:A:TYR:HA	1:144:A:ASN:HB3	11	0.19
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	3	0.19
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	15	0.19
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	2	0.19
(1,143)	1:18:A:LYS:HB2	1:18:A:LYS:HE2	17	0.19
(1,111)	1:133:A:TYR:HA	1:134:A:ASP:HB3	14	0.19
(1,85)	1:142:A:ARG:HG2	1:142:A:ARG:HD2	19	0.19
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	12	0.19
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	16	0.19
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	17	0.19
(1,2990)	1:33:A:ARG:HB3	1:34:A:GLY:H	2	0.18
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	7	0.18
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	17	0.18
(1,2858)	1:10:A:LEU:HD21	1:20:A:MET:H	19	0.18
(1,2858)	1:10:A:LEU:HD22	1:20:A:MET:H	19	0.18
(1,2858)	1:10:A:LEU:HD23	1:20:A:MET:H	19	0.18
(1,2819)	1:21:A:LEU:H	1:21:A:LEU:HB3	7	0.18
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:103:A:ASP:H	1:103:A:ASP:HB2	6	0.18
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	8	0.18
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	11	0.18
(1,2611)	1:97:A:VAL:HG21	1:108:A:ASP:H	16	0.18
(1,2611)	1:97:A:VAL:HG22	1:108:A:ASP:H	16	0.18
(1,2611)	1:97:A:VAL:HG23	1:108:A:ASP:H	16	0.18
(1,2535)	1:12:A:ARG:H	1:12:A:ARG:HG3	3	0.18
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	6	0.18
(1,2491)	1:59:A:LYS:H	1:59:A:LYS:HB2	4	0.18
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	1	0.18
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	7	0.18
(1,2239)	1:41:A:PRO:HB3	1:54:A:LEU:H	1	0.18
(1,2145)	1:53:A:LEU:HD11	1:56:A:LEU:H	7	0.18
(1,2145)	1:53:A:LEU:HD12	1:56:A:LEU:H	7	0.18
(1,2145)	1:53:A:LEU:HD13	1:56:A:LEU:H	7	0.18
(1,2072)	1:54:A:LEU:HD21	1:124:A:TRP:HE3	18	0.18
(1,2072)	1:54:A:LEU:HD22	1:124:A:TRP:HE3	18	0.18
(1,2072)	1:54:A:LEU:HD23	1:124:A:TRP:HE3	18	0.18
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	9	0.18
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	8	0.18
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	8	0.18
(1,1926)	1:40:A:PHE:HD1	1:41:A:PRO:HD3	3	0.18
(1,1926)	1:40:A:PHE:HD2	1:41:A:PRO:HD3	3	0.18
(1,1675)	1:82:A:GLU:HA	1:83:A:ASP:HB3	10	0.18
(1,1556)	1:40:A:PHE:HA	1:41:A:PRO:HG2	9	0.18
(1,1556)	1:40:A:PHE:HA	1:41:A:PRO:HG2	19	0.18
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD11	4	0.18
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD12	4	0.18
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD13	4	0.18
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	6	0.18
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	7	0.18
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	4	0.18
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	4	0.18
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	4	0.18
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	11	0.18
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	11	0.18
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	11	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	2	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	2	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	2	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	4	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	4	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	6	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	6	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	6	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	10	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	10	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	10	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	11	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	11	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	11	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	17	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	17	0.18
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	17	0.18
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD21	10	0.18
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD22	10	0.18
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD23	10	0.18
(1,1018)	1:41:A:PRO:HA	1:129:A:TYR:HB2	6	0.18
(1,823)	1:4:A:ILE:HA	1:75:A:LEU:HD11	15	0.18
(1,823)	1:4:A:ILE:HA	1:75:A:LEU:HD12	15	0.18
(1,823)	1:4:A:ILE:HA	1:75:A:LEU:HD13	15	0.18
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD21	6	0.18
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD22	6	0.18
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD23	6	0.18
(1,699)	1:11:A:LYS:H	1:11:A:LYS:HG3	7	0.18
(1,666)	1:62:A:CYS:HB3	1:63:A:VAL:HA	10	0.18
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD21	20	0.18
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD22	20	0.18
(1,646)	1:41:A:PRO:HD3	1:53:A:LEU:HD23	20	0.18
(1,506)	1:41:A:PRO:HB2	1:60:A:GLY:HA2	5	0.18
(1,439)	1:10:A:LEU:HD21	1:20:A:MET:HG3	16	0.18
(1,439)	1:10:A:LEU:HD22	1:20:A:MET:HG3	16	0.18
(1,439)	1:10:A:LEU:HD23	1:20:A:MET:HG3	16	0.18
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE1	11	0.18
(1,419)	1:87:A:MET:HG3	1:88:A:TYR:HE2	11	0.18
(1,400)	1:61:A:HIS:HB3	1:131:A:GLU:HB3	3	0.18
(1,400)	1:61:A:HIS:HB3	1:131:A:GLU:HB3	13	0.18
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD21	2	0.18
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD22	2	0.18
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD23	2	0.18
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD1	6	0.18
(1,351)	1:15:A:PRO:HB3	1:143:A:TYR:HD2	6	0.18
(1,285)	1:49:A:ASN:HB2	1:142:A:ARG:HA	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:88:A:TYR:HB3	1:115:A:TYR:HB2	9	0.18
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	11	0.18
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	14	0.18
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	14	0.18
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD21	3	0.18
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD22	3	0.18
(1,118)	1:42:A:LEU:HB2	1:53:A:LEU:HD23	3	0.18
(1,116)	1:33:A:ARG:HB3	1:98:A:LEU:HB3	18	0.18
(1,94)	1:33:A:ARG:H	1:33:A:ARG:HD2	10	0.18
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	2	0.18
(1,80)	1:26:A:GLY:HA2	1:73:A:GLN:HB2	15	0.18
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	3	0.18
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	12	0.18
(1,29)	1:59:A:LYS:HB2	1:60:A:GLY:HA2	8	0.18
(1,29)	1:59:A:LYS:HB3	1:60:A:GLY:HA2	8	0.18
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	9	0.18
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	9	0.18
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	9	0.18
(1,2934)	1:14:A:GLN:HA	1:16:A:ASN:HD21	2	0.17
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	12	0.17
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	15	0.17
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	13	0.17
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	9	0.17
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	2	0.17
(1,2622)	1:39:A:SER:HB2	1:40:A:PHE:H	15	0.17
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	2	0.17
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	7	0.17
(1,2497)	1:86:A:SER:HB2	1:87:A:MET:H	8	0.17
(1,2422)	1:85:A:PRO:HG3	1:86:A:SER:H	9	0.17
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	12	0.17
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	19	0.17
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	8	0.17
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	18	0.17
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	18	0.17
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	20	0.17
(1,1896)	1:15:A:PRO:HG3	1:143:A:TYR:HD1	8	0.17
(1,1896)	1:15:A:PRO:HG3	1:143:A:TYR:HD2	8	0.17
(1,1807)	1:92:A:ALA:HA	1:111:A:GLN:HE22	1	0.17
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	12	0.17
(1,1626)	1:10:A:LEU:HA	1:10:A:LEU:HD21	15	0.17
(1,1626)	1:10:A:LEU:HA	1:10:A:LEU:HD22	15	0.17
(1,1626)	1:10:A:LEU:HA	1:10:A:LEU:HD23	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD11	15	0.17
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD12	15	0.17
(1,1447)	1:75:A:LEU:HA	1:78:A:LEU:HD13	15	0.17
(1,1409)	1:123:A:GLU:HA	1:126:A:PHE:HB3	20	0.17
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	12	0.17
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	12	0.17
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	12	0.17
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG11	3	0.17
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG12	3	0.17
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG13	3	0.17
(1,1231)	1:95:A:VAL:HG11	1:96:A:GLN:HB2	9	0.17
(1,1231)	1:95:A:VAL:HG12	1:96:A:GLN:HB2	9	0.17
(1,1231)	1:95:A:VAL:HG13	1:96:A:GLN:HB2	9	0.17
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	17	0.17
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	17	0.17
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	17	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	1	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	1	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	1	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	8	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	8	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	8	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	9	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	9	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	9	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	12	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	12	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	12	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	15	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	15	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	15	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD21	19	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD22	19	0.17
(1,1121)	1:21:A:LEU:HB2	1:21:A:LEU:HD23	19	0.17
(1,1067)	1:6:A:VAL:HG21	1:10:A:LEU:H	4	0.17
(1,1067)	1:6:A:VAL:HG22	1:10:A:LEU:H	4	0.17
(1,1067)	1:6:A:VAL:HG23	1:10:A:LEU:H	4	0.17
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	16	0.17
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	16	0.17
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	16	0.17
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	16	0.17
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	16	0.17
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	16	0.17
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	16	0.17
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	16	0.17
(1,1023)	1:41:A:PRO:HA	1:60:A:GLY:HA2	17	0.17
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	19	0.17
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	19	0.17
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	19	0.17
(1,960)	1:97:A:VAL:HG11	1:100:A:TRP:HB2	17	0.17
(1,960)	1:97:A:VAL:HG12	1:100:A:TRP:HB2	17	0.17
(1,960)	1:97:A:VAL:HG13	1:100:A:TRP:HB2	17	0.17
(1,960)	1:97:A:VAL:HG11	1:100:A:TRP:HB3	17	0.17
(1,960)	1:97:A:VAL:HG12	1:100:A:TRP:HB3	17	0.17
(1,960)	1:97:A:VAL:HG13	1:100:A:TRP:HB3	17	0.17
(1,955)	1:97:A:VAL:HG11	1:100:A:TRP:HZ3	19	0.17
(1,955)	1:97:A:VAL:HG12	1:100:A:TRP:HZ3	19	0.17
(1,955)	1:97:A:VAL:HG13	1:100:A:TRP:HZ3	19	0.17
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	3	0.17
(1,887)	1:39:A:SER:HB2	1:62:A:CYS:HA	13	0.17
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	15	0.17
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD11	7	0.17
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD12	7	0.17
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD13	7	0.17
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD11	7	0.17
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD12	7	0.17
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD13	7	0.17
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD11	7	0.17
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD12	7	0.17
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD13	7	0.17
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG21	2	0.17
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG22	2	0.17
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG23	2	0.17
(1,701)	1:44:A:ILE:H	1:127:A:LEU:HD11	7	0.17
(1,701)	1:44:A:ILE:H	1:127:A:LEU:HD12	7	0.17
(1,701)	1:44:A:ILE:H	1:127:A:LEU:HD13	7	0.17
(1,666)	1:62:A:CYS:HB3	1:63:A:VAL:HA	3	0.17
(1,591)	1:14:A:GLN:HA	1:15:A:PRO:HG2	3	0.17
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	17	0.17
(1,400)	1:61:A:HIS:HB3	1:131:A:GLU:HB3	10	0.17
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	1	0.17
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	14	0.17
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:29:A:ALA:HB1	1:69:A:GLU:HG3	2	0.17
(1,303)	1:29:A:ALA:HB2	1:69:A:GLU:HG3	2	0.17
(1,303)	1:29:A:ALA:HB3	1:69:A:GLU:HG3	2	0.17
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	9	0.17
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	9	0.17
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	5	0.17
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	12	0.17
(1,91)	1:33:A:ARG:HA	1:33:A:ARG:HD2	17	0.17
(1,89)	1:146:A:ARG:HG3	1:149:A:ARG:HD2	12	0.17
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE1	12	0.17
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE2	12	0.17
(1,66)	1:27:A:LEU:HB2	1:74:A:MET:HE3	12	0.17
(1,2990)	1:33:A:ARG:HB3	1:34:A:GLY:H	18	0.16
(1,2905)	1:73:A:GLN:HE22	1:76:A:ARG:HB3	8	0.16
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	20	0.16
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	15	0.16
(1,2654)	1:79:A:ASP:HB2	1:80:A:ASP:H	19	0.16
(1,2528)	1:48:A:HIS:HB3	1:50:A:ILE:H	20	0.16
(1,2449)	1:142:A:ARG:H	1:142:A:ARG:HD2	2	0.16
(1,2422)	1:85:A:PRO:HG3	1:86:A:SER:H	7	0.16
(1,2346)	1:89:A:GLN:HB2	1:90:A:ARG:H	2	0.16
(1,2346)	1:89:A:GLN:HB2	1:90:A:ARG:H	13	0.16
(1,2242)	1:95:A:VAL:H	1:109:A:SER:HB3	7	0.16
(1,2237)	1:41:A:PRO:HD3	1:54:A:LEU:H	9	0.16
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE1	19	0.16
(1,2077)	1:60:A:GLY:HA3	1:129:A:TYR:HE2	19	0.16
(1,2049)	1:42:A:LEU:HD11	1:130:A:HIS:HD2	5	0.16
(1,2049)	1:42:A:LEU:HD12	1:130:A:HIS:HD2	5	0.16
(1,2049)	1:42:A:LEU:HD13	1:130:A:HIS:HD2	5	0.16
(1,2040)	1:120:A:TYR:HB2	1:124:A:TRP:HZ3	7	0.16
(1,2014)	1:52:A:TRP:HH2	1:87:A:MET:HG3	3	0.16
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	4	0.16
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	4	0.16
(1,1836)	1:41:A:PRO:HD2	1:59:A:LYS:H	20	0.16
(1,1750)	1:59:A:LYS:HA	1:59:A:LYS:HG2	4	0.16
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	8	0.16
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	1	0.16
(1,1593)	1:147:A:GLU:HA	1:147:A:GLU:HG3	16	0.16
(1,1564)	1:79:A:ASP:HA	1:82:A:GLU:HG3	9	0.16
(1,1407)	1:49:A:ASN:HB3	1:143:A:TYR:HA	2	0.16
(1,1407)	1:49:A:ASN:HB3	1:143:A:TYR:HA	19	0.16
(1,1289)	1:2:A:ALA:HB1	1:72:A:GLU:HG2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1289)	1:2:A:ALA:HB2	1:72:A:GLU:HG2	18	0.16
(1,1289)	1:2:A:ALA:HB3	1:72:A:GLU:HG2	18	0.16
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	2	0.16
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	2	0.16
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	2	0.16
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	3	0.16
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	3	0.16
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	3	0.16
(1,923)	1:36:A:THR:HG21	1:40:A:PHE:HB3	6	0.16
(1,923)	1:36:A:THR:HG22	1:40:A:PHE:HB3	6	0.16
(1,923)	1:36:A:THR:HG23	1:40:A:PHE:HB3	6	0.16
(1,923)	1:36:A:THR:HG21	1:40:A:PHE:HB3	15	0.16
(1,923)	1:36:A:THR:HG22	1:40:A:PHE:HB3	15	0.16
(1,923)	1:36:A:THR:HG23	1:40:A:PHE:HB3	15	0.16
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	14	0.16
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	14	0.16
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	14	0.16
(1,889)	1:39:A:SER:H	1:39:A:SER:HB3	9	0.16
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	1	0.16
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	2	0.16
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	3	0.16
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	11	0.16
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	16	0.16
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	17	0.16
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD11	16	0.16
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD12	16	0.16
(1,842)	1:43:A:VAL:HB	1:54:A:LEU:HD13	16	0.16
(1,822)	1:56:A:LEU:HD11	1:59:A:LYS:HG3	19	0.16
(1,822)	1:56:A:LEU:HD12	1:59:A:LYS:HG3	19	0.16
(1,822)	1:56:A:LEU:HD13	1:59:A:LYS:HG3	19	0.16
(1,808)	1:75:A:LEU:HD11	1:76:A:ARG:H	6	0.16
(1,808)	1:75:A:LEU:HD12	1:76:A:ARG:H	6	0.16
(1,808)	1:75:A:LEU:HD13	1:76:A:ARG:H	6	0.16
(1,801)	1:56:A:LEU:HD21	1:59:A:LYS:HG3	4	0.16
(1,801)	1:56:A:LEU:HD22	1:59:A:LYS:HG3	4	0.16
(1,801)	1:56:A:LEU:HD23	1:59:A:LYS:HG3	4	0.16
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD11	9	0.16
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD12	9	0.16
(1,755)	1:41:A:PRO:HD2	1:56:A:LEU:HD13	9	0.16
(1,706)	1:127:A:LEU:HD11	1:128:A:PRO:HD3	12	0.16
(1,706)	1:127:A:LEU:HD12	1:128:A:PRO:HD3	12	0.16
(1,706)	1:127:A:LEU:HD13	1:128:A:PRO:HD3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:62:A:CYS:HB3	1:63:A:VAL:HA	13	0.16
(1,621)	1:55:A:TYR:HE1	1:57:A:PRO:HG2	18	0.16
(1,621)	1:55:A:TYR:HE2	1:57:A:PRO:HG2	18	0.16
(1,620)	1:40:A:PHE:HE1	1:57:A:PRO:HG2	10	0.16
(1,620)	1:40:A:PHE:HE2	1:57:A:PRO:HG2	10	0.16
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	15	0.16
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	17	0.16
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	18	0.16
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	20	0.16
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	20	0.16
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	20	0.16
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	20	0.16
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	20	0.16
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	20	0.16
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	20	0.16
(1,234)	1:15:A:PRO:HG3	1:143:A:TYR:HB2	4	0.16
(1,225)	1:48:A:HIS:HA	1:144:A:ASN:HB3	6	0.16
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	2	0.16
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	8	0.16
(1,189)	1:41:A:PRO:HD3	1:54:A:LEU:HB2	3	0.16
(1,179)	1:42:A:LEU:HD11	1:133:A:TYR:HB2	14	0.16
(1,179)	1:42:A:LEU:HD12	1:133:A:TYR:HB2	14	0.16
(1,179)	1:42:A:LEU:HD13	1:133:A:TYR:HB2	14	0.16
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	10	0.16
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	4	0.16
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	4	0.16
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	4	0.16
(1,87)	1:146:A:ARG:HA	1:149:A:ARG:HD2	20	0.16
(1,84)	1:142:A:ARG:HA	1:142:A:ARG:HD2	16	0.16
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	9	0.16
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	20	0.16
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	5	0.16
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	5	0.16
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	5	0.16
(1,2942)	1:10:A:LEU:HD21	1:16:A:ASN:H	19	0.15
(1,2942)	1:10:A:LEU:HD22	1:16:A:ASN:H	19	0.15
(1,2942)	1:10:A:LEU:HD23	1:16:A:ASN:H	19	0.15
(1,2934)	1:14:A:GLN:HA	1:16:A:ASN:HD21	5	0.15
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	19	0.15
(1,2724)	1:35:A:CYS:H	1:96:A:GLN:HB2	20	0.15
(1,2434)	1:132:A:SER:HB3	1:133:A:TYR:H	4	0.15
(1,2368)	1:22:A:ASP:HB2	1:23:A:HIS:H	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2144)	1:40:A:PHE:HB2	1:56:A:LEU:H	4	0.15
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	15	0.15
(1,2083)	1:3:A:HIS:HD2	1:69:A:GLU:HB3	16	0.15
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	14	0.15
(1,1992)	1:38:A:GLU:HB2	1:40:A:PHE:HZ	15	0.15
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	17	0.15
(1,1748)	1:39:A:SER:HB3	1:59:A:LYS:HA	19	0.15
(1,1745)	1:42:A:LEU:HA	1:53:A:LEU:HB3	13	0.15
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	5	0.15
(1,1544)	1:86:A:SER:HB2	1:87:A:MET:HA	13	0.15
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB2	4	0.15
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB2	4	0.15
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB2	4	0.15
(1,1420)	1:43:A:VAL:HG11	1:124:A:TRP:HB3	4	0.15
(1,1420)	1:43:A:VAL:HG12	1:124:A:TRP:HB3	4	0.15
(1,1420)	1:43:A:VAL:HG13	1:124:A:TRP:HB3	4	0.15
(1,1348)	1:6:A:VAL:HG11	1:66:A:GLU:H	2	0.15
(1,1348)	1:6:A:VAL:HG12	1:66:A:GLU:H	2	0.15
(1,1348)	1:6:A:VAL:HG13	1:66:A:GLU:H	2	0.15
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG21	11	0.15
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG22	11	0.15
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG23	11	0.15
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	4	0.15
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	4	0.15
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	4	0.15
(1,1219)	1:29:A:ALA:HB1	1:69:A:GLU:HB2	18	0.15
(1,1219)	1:29:A:ALA:HB2	1:69:A:GLU:HB2	18	0.15
(1,1219)	1:29:A:ALA:HB3	1:69:A:GLU:HB2	18	0.15
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	17	0.15
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	17	0.15
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	17	0.15
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	17	0.15
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	17	0.15
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	17	0.15
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	17	0.15
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	17	0.15
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	17	0.15
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	12	0.15
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	12	0.15
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	12	0.15
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	5	0.15
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	5	0.15
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	5	0.15
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	5	0.15
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	5	0.15
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	5	0.15
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	5	0.15
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	5	0.15
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG21	19	0.15
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG22	19	0.15
(1,991)	1:10:A:LEU:HD21	1:19:A:VAL:HG23	19	0.15
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG21	19	0.15
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG22	19	0.15
(1,991)	1:10:A:LEU:HD22	1:19:A:VAL:HG23	19	0.15
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG21	19	0.15
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG22	19	0.15
(1,991)	1:10:A:LEU:HD23	1:19:A:VAL:HG23	19	0.15
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG21	17	0.15
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG22	17	0.15
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG23	17	0.15
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG21	17	0.15
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG22	17	0.15
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG23	17	0.15
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG21	17	0.15
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG22	17	0.15
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG23	17	0.15
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	2	0.15
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	2	0.15
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	2	0.15
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	7	0.15
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	7	0.15
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	7	0.15
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	8	0.15
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	4	0.15
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	5	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	2	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	2	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	2	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	2	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	2	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	2	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	2	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	2	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	5	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	5	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	5	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	5	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	5	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	5	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	5	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	5	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	5	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	14	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	14	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	14	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	14	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	14	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	14	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	14	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	14	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	14	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG11	17	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG12	17	0.15
(1,732)	1:42:A:LEU:HD11	1:63:A:VAL:HG13	17	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG11	17	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG12	17	0.15
(1,732)	1:42:A:LEU:HD12	1:63:A:VAL:HG13	17	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG11	17	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG12	17	0.15
(1,732)	1:42:A:LEU:HD13	1:63:A:VAL:HG13	17	0.15
(1,729)	1:42:A:LEU:HD11	1:133:A:TYR:HA	2	0.15
(1,729)	1:42:A:LEU:HD12	1:133:A:TYR:HA	2	0.15
(1,729)	1:42:A:LEU:HD13	1:133:A:TYR:HA	2	0.15
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG21	16	0.15
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG22	16	0.15
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG23	16	0.15
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD11	7	0.15
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD12	7	0.15
(1,692)	1:74:A:MET:HG2	1:78:A:LEU:HD13	7	0.15
(1,625)	1:10:A:LEU:HG	1:16:A:ASN:HB2	16	0.15
(1,561)	1:59:A:LYS:HA	1:59:A:LYS:HD3	17	0.15
(1,505)	1:41:A:PRO:HB2	1:129:A:TYR:HD1	9	0.15
(1,505)	1:41:A:PRO:HB2	1:129:A:TYR:HD2	9	0.15
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:38:A:GLU:HB2	1:58:A:GLY:H	10	0.15
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	9	0.15
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	3	0.15
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	5	0.15
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	6	0.15
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	7	0.15
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	12	0.15
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	16	0.15
(1,382)	1:26:A:GLY:HA3	1:73:A:GLN:HG2	13	0.15
(1,372)	1:112:A:CYS:HB3	1:113:A:PHE:H	12	0.15
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	13	0.15
(1,303)	1:29:A:ALA:HB1	1:69:A:GLU:HG3	13	0.15
(1,303)	1:29:A:ALA:HB2	1:69:A:GLU:HG3	13	0.15
(1,303)	1:29:A:ALA:HB3	1:69:A:GLU:HG3	13	0.15
(1,293)	1:69:A:GLU:HG3	1:70:A:VAL:HA	7	0.15
(1,234)	1:15:A:PRO:HG3	1:143:A:TYR:HB2	13	0.15
(1,201)	1:19:A:VAL:HA	1:22:A:ASP:HB2	19	0.15
(1,187)	1:22:A:ASP:HB2	1:24:A:SER:HB2	16	0.15
(1,140)	1:42:A:LEU:HD21	1:53:A:LEU:HB3	7	0.15
(1,140)	1:42:A:LEU:HD22	1:53:A:LEU:HB3	7	0.15
(1,140)	1:42:A:LEU:HD23	1:53:A:LEU:HB3	7	0.15
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD21	14	0.15
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD22	14	0.15
(1,105)	1:56:A:LEU:HB2	1:125:A:LEU:HD23	14	0.15
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	3	0.15
(1,64)	1:27:A:LEU:HB2	1:70:A:VAL:HA	10	0.15
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	11	0.15
(1,29)	1:59:A:LYS:HB2	1:60:A:GLY:HA2	2	0.15
(1,29)	1:59:A:LYS:HB3	1:60:A:GLY:HA2	2	0.15
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	16	0.15
(1,15)	1:7:A:TYR:H	1:8:A:GLY:HA3	7	0.15
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	3	0.14
(1,2705)	1:21:A:LEU:HB3	1:22:A:ASP:H	16	0.14
(1,2689)	1:33:A:ARG:HB2	1:99:A:GLU:H	2	0.14
(1,2449)	1:142:A:ARG:H	1:142:A:ARG:HD2	11	0.14
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	8	0.14
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	11	0.14
(1,2368)	1:22:A:ASP:HB2	1:23:A:HIS:H	15	0.14
(1,2271)	1:149:A:ARG:H	1:149:A:ARG:HD2	9	0.14
(1,2205)	1:14:A:GLN:HE21	1:135:A:SER:H	12	0.14
(1,2192)	1:142:A:ARG:HD2	1:143:A:TYR:H	4	0.14
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:120:A:TYR:HB2	1:124:A:TRP:HZ3	8	0.14
(1,2026)	1:31:A:ARG:HG2	1:100:A:TRP:HH2	20	0.14
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	7	0.14
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	7	0.14
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD1	6	0.14
(1,1940)	1:60:A:GLY:HA3	1:129:A:TYR:HD2	6	0.14
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD1	5	0.14
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD2	5	0.14
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD1	5	0.14
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD2	5	0.14
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD1	5	0.14
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD2	5	0.14
(1,1699)	1:135:A:SER:HB2	1:136:A:GLU:HA	5	0.14
(1,1573)	1:96:A:GLN:HB3	1:109:A:SER:HA	9	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG11	5	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG12	5	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG13	5	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG11	12	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG12	12	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG13	12	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG11	18	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG12	18	0.14
(1,1414)	1:43:A:VAL:H	1:43:A:VAL:HG13	18	0.14
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG21	2	0.14
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG22	2	0.14
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG23	2	0.14
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG21	14	0.14
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG22	14	0.14
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG23	14	0.14
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD21	3	0.14
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD22	3	0.14
(1,1113)	1:35:A:CYS:HB3	1:98:A:LEU:HD23	3	0.14
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	4	0.14
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	4	0.14
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	4	0.14
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD21	15	0.14
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD22	15	0.14
(1,1106)	1:98:A:LEU:H	1:98:A:LEU:HD23	15	0.14
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG11	12	0.14
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG12	12	0.14
(1,962)	1:67:A:ILE:HD11	1:97:A:VAL:HG13	12	0.14
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG11	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG12	12	0.14
(1,962)	1:67:A:ILE:HD12	1:97:A:VAL:HG13	12	0.14
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG11	12	0.14
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG12	12	0.14
(1,962)	1:67:A:ILE:HD13	1:97:A:VAL:HG13	12	0.14
(1,924)	1:36:A:THR:HG21	1:63:A:VAL:HB	20	0.14
(1,924)	1:36:A:THR:HG22	1:63:A:VAL:HB	20	0.14
(1,924)	1:36:A:THR:HG23	1:63:A:VAL:HB	20	0.14
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	2	0.14
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	11	0.14
(1,883)	1:39:A:SER:HB2	1:61:A:HIS:H	10	0.14
(1,874)	1:27:A:LEU:HD21	1:28:A:ALA:H	17	0.14
(1,874)	1:27:A:LEU:HD22	1:28:A:ALA:H	17	0.14
(1,874)	1:27:A:LEU:HD23	1:28:A:ALA:H	17	0.14
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB3	3	0.14
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB3	3	0.14
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB3	3	0.14
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB2	3	0.14
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB2	3	0.14
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB2	3	0.14
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD11	4	0.14
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD12	4	0.14
(1,839)	1:41:A:PRO:HD3	1:54:A:LEU:HD13	4	0.14
(1,834)	1:54:A:LEU:H	1:54:A:LEU:HD11	10	0.14
(1,834)	1:54:A:LEU:H	1:54:A:LEU:HD12	10	0.14
(1,834)	1:54:A:LEU:H	1:54:A:LEU:HD13	10	0.14
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD11	14	0.14
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD12	14	0.14
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD13	14	0.14
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD11	14	0.14
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD12	14	0.14
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD13	14	0.14
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD11	14	0.14
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD12	14	0.14
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD13	14	0.14
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	2	0.14
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	2	0.14
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	2	0.14
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	2	0.14
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	2	0.14
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	2	0.14
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	2	0.14
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	2	0.14
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD21	19	0.14
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD22	19	0.14
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD23	19	0.14
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	6	0.14
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	6	0.14
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	6	0.14
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	6	0.14
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	6	0.14
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	6	0.14
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	6	0.14
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	6	0.14
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	6	0.14
(1,706)	1:127:A:LEU:HD11	1:128:A:PRO:HD3	10	0.14
(1,706)	1:127:A:LEU:HD12	1:128:A:PRO:HD3	10	0.14
(1,706)	1:127:A:LEU:HD13	1:128:A:PRO:HD3	10	0.14
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD1	13	0.14
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD2	13	0.14
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD1	13	0.14
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD2	13	0.14
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD1	13	0.14
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD2	13	0.14
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD21	12	0.14
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD22	12	0.14
(1,649)	1:40:A:PHE:HB3	1:53:A:LEU:HD23	12	0.14
(1,584)	1:127:A:LEU:HD21	1:128:A:PRO:HG2	7	0.14
(1,584)	1:127:A:LEU:HD22	1:128:A:PRO:HG2	7	0.14
(1,584)	1:127:A:LEU:HD23	1:128:A:PRO:HG2	7	0.14
(1,507)	1:41:A:PRO:HB2	1:54:A:LEU:HD11	9	0.14
(1,507)	1:41:A:PRO:HB2	1:54:A:LEU:HD12	9	0.14
(1,507)	1:41:A:PRO:HB2	1:54:A:LEU:HD13	9	0.14
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	4	0.14
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	5	0.14
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	16	0.14
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	8	0.14
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	9	0.14
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	10	0.14
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	19	0.14
(1,309)	1:31:A:ARG:HA	1:101:A:GLU:HG3	12	0.14
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	19	0.14
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	19	0.14
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	19	0.14
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	19	0.14
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	19	0.14
(1,274)	1:38:A:GLU:HG2	1:40:A:PHE:HZ	3	0.14
(1,221)	1:143:A:TYR:HD1	1:144:A:ASN:HB3	15	0.14
(1,221)	1:143:A:TYR:HD2	1:144:A:ASN:HB3	15	0.14
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD21	18	0.14
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD22	18	0.14
(1,176)	1:5:A:PHE:HB2	1:93:A:LEU:HD23	18	0.14
(1,148)	1:18:A:LYS:HE2	1:19:A:VAL:H	11	0.14
(1,116)	1:33:A:ARG:HB3	1:98:A:LEU:HB3	12	0.14
(1,88)	1:149:A:ARG:HB2	1:149:A:ARG:HD2	9	0.14
(1,88)	1:149:A:ARG:HB3	1:149:A:ARG:HD2	9	0.14
(1,63)	1:27:A:LEU:HB2	1:28:A:ALA:H	10	0.14
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	16	0.14
(1,46)	1:137:A:GLY:HA2	1:138:A:PRO:HG2	2	0.14
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	17	0.14
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	7	0.13
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	10	0.13
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	5	0.13
(1,2655)	1:80:A:ASP:H	1:80:A:ASP:HB2	15	0.13
(1,2601)	1:73:A:GLN:H	1:73:A:GLN:HB2	15	0.13
(1,2574)	1:148:A:ASN:H	1:149:A:ARG:HB3	6	0.13
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	17	0.13
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	17	0.13
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	17	0.13
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	1	0.13
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG21	15	0.13
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG22	15	0.13
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG23	15	0.13
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	18	0.13
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	18	0.13
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	18	0.13
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	15	0.13
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	15	0.13
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	15	0.13
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	17	0.13
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	17	0.13
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	17	0.13
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	8	0.13
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	8	0.13
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	8	0.13
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	8	0.13
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	8	0.13
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD1	9	0.13
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD2	9	0.13
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD1	9	0.13
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD2	9	0.13
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD1	9	0.13
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD2	9	0.13
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	5	0.13
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	5	0.13
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	5	0.13
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	9	0.13
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	9	0.13
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	9	0.13
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG21	20	0.13
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG22	20	0.13
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG23	20	0.13
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG21	20	0.13
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG22	20	0.13
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG23	20	0.13
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG21	20	0.13
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG22	20	0.13
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG23	20	0.13
(1,1573)	1:96:A:GLN:HB3	1:109:A:SER:HA	16	0.13
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	15	0.13
(1,1556)	1:40:A:PHE:HA	1:41:A:PRO:HG2	1	0.13
(1,1545)	1:83:A:ASP:HB3	1:87:A:MET:HA	9	0.13
(1,1440)	1:12:A:ARG:HA	1:13:A:GLY:HA3	13	0.13
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG11	18	0.13
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG12	18	0.13
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG13	18	0.13
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG21	5	0.13
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG22	5	0.13
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG23	5	0.13
(1,1253)	1:44:A:ILE:HG13	1:51:A:PRO:HA	17	0.13
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB3	15	0.13
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB3	15	0.13
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB3	15	0.13
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB2	15	0.13
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB2	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB2	15	0.13
(1,1227)	1:95:A:VAL:HG11	1:97:A:VAL:H	18	0.13
(1,1227)	1:95:A:VAL:HG12	1:97:A:VAL:H	18	0.13
(1,1227)	1:95:A:VAL:HG13	1:97:A:VAL:H	18	0.13
(1,1065)	1:53:A:LEU:HD11	1:63:A:VAL:HG11	10	0.13
(1,1065)	1:53:A:LEU:HD11	1:63:A:VAL:HG12	10	0.13
(1,1065)	1:53:A:LEU:HD11	1:63:A:VAL:HG13	10	0.13
(1,1065)	1:53:A:LEU:HD12	1:63:A:VAL:HG11	10	0.13
(1,1065)	1:53:A:LEU:HD12	1:63:A:VAL:HG12	10	0.13
(1,1065)	1:53:A:LEU:HD12	1:63:A:VAL:HG13	10	0.13
(1,1065)	1:53:A:LEU:HD13	1:63:A:VAL:HG11	10	0.13
(1,1065)	1:53:A:LEU:HD13	1:63:A:VAL:HG12	10	0.13
(1,1065)	1:53:A:LEU:HD13	1:63:A:VAL:HG13	10	0.13
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	11	0.13
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	11	0.13
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	11	0.13
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	11	0.13
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	11	0.13
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	11	0.13
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	11	0.13
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	11	0.13
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	11	0.13
(1,985)	1:10:A:LEU:HD21	1:16:A:ASN:HB3	5	0.13
(1,985)	1:10:A:LEU:HD22	1:16:A:ASN:HB3	5	0.13
(1,985)	1:10:A:LEU:HD23	1:16:A:ASN:HB3	5	0.13
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG21	16	0.13
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG22	16	0.13
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG23	16	0.13
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG21	16	0.13
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG22	16	0.13
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG23	16	0.13
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG21	16	0.13
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG22	16	0.13
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG23	16	0.13
(1,924)	1:36:A:THR:HG21	1:63:A:VAL:HB	14	0.13
(1,924)	1:36:A:THR:HG22	1:63:A:VAL:HB	14	0.13
(1,924)	1:36:A:THR:HG23	1:63:A:VAL:HB	14	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	3	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	3	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	3	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	12	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	12	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	18	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	18	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	18	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	20	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	20	0.13
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	20	0.13
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	11	0.13
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	11	0.13
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	11	0.13
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	13	0.13
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	13	0.13
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	13	0.13
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	13	0.13
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	13	0.13
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	13	0.13
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	13	0.13
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	13	0.13
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	13	0.13
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD21	5	0.13
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD22	5	0.13
(1,775)	1:56:A:LEU:HA	1:56:A:LEU:HD23	5	0.13
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	2	0.13
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	2	0.13
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	2	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	2	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	2	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	2	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	2	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	2	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	2	0.13
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	13	0.13
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	13	0.13
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	13	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	13	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	13	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	13	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	13	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	13	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	13	0.13
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	19	0.13
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	19	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	19	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	19	0.13
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	19	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	19	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	19	0.13
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	19	0.13
(1,762)	1:53:A:LEU:HD11	1:55:A:TYR:HA	12	0.13
(1,762)	1:53:A:LEU:HD12	1:55:A:TYR:HA	12	0.13
(1,762)	1:53:A:LEU:HD13	1:55:A:TYR:HA	12	0.13
(1,723)	1:42:A:LEU:HD11	1:130:A:HIS:H	20	0.13
(1,723)	1:42:A:LEU:HD12	1:130:A:HIS:H	20	0.13
(1,723)	1:42:A:LEU:HD13	1:130:A:HIS:H	20	0.13
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD11	18	0.13
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD12	18	0.13
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD13	18	0.13
(1,591)	1:14:A:GLN:HA	1:15:A:PRO:HG2	11	0.13
(1,524)	1:96:A:GLN:HB3	1:96:A:GLN:HE22	11	0.13
(1,524)	1:96:A:GLN:HB3	1:96:A:GLN:HE22	20	0.13
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	7	0.13
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	11	0.13
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	11	0.13
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	13	0.13
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	2	0.13
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	2	0.13
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	2	0.13
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	2	0.13
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	2	0.13
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	2	0.13
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	7	0.13
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	7	0.13
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	7	0.13
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	7	0.13
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	7	0.13
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	7	0.13
(1,374)	1:112:A:CYS:H	1:112:A:CYS:HB2	18	0.13
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB2	17	0.13
(1,349)	1:41:A:PRO:HD2	1:59:A:LYS:HB3	17	0.13
(1,262)	1:88:A:TYR:HB3	1:115:A:TYR:HB2	16	0.13
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	4	0.13
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	18	0.13
(1,88)	1:149:A:ARG:HB2	1:149:A:ARG:HD2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:149:A:ARG:HB3	1:149:A:ARG:HD2	16	0.13
(1,86)	1:146:A:ARG:HE	1:149:A:ARG:HD2	13	0.13
(1,27)	1:13:A:GLY:HA3	1:14:A:GLN:HE22	10	0.13
(1,2944)	1:10:A:LEU:HD21	1:16:A:ASN:HD22	19	0.12
(1,2944)	1:10:A:LEU:HD22	1:16:A:ASN:HD22	19	0.12
(1,2944)	1:10:A:LEU:HD23	1:16:A:ASN:HD22	19	0.12
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	1	0.12
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	6	0.12
(1,2884)	1:136:A:GLU:H	1:136:A:GLU:HB3	17	0.12
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	13	0.12
(1,2711)	1:36:A:THR:H	1:95:A:VAL:HG11	6	0.12
(1,2711)	1:36:A:THR:H	1:95:A:VAL:HG12	6	0.12
(1,2711)	1:36:A:THR:H	1:95:A:VAL:HG13	6	0.12
(1,2677)	1:95:A:VAL:HB	1:110:A:VAL:H	6	0.12
(1,2677)	1:95:A:VAL:HB	1:110:A:VAL:H	15	0.12
(1,2677)	1:95:A:VAL:HB	1:110:A:VAL:H	17	0.12
(1,2631)	1:115:A:TYR:HB2	1:116:A:THR:H	17	0.12
(1,2621)	1:40:A:PHE:H	1:60:A:GLY:HA2	18	0.12
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	4	0.12
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	6	0.12
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	16	0.12
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD11	7	0.12
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD12	7	0.12
(1,2375)	1:124:A:TRP:H	1:125:A:LEU:HD13	7	0.12
(1,2368)	1:22:A:ASP:HB2	1:23:A:HIS:H	3	0.12
(1,2368)	1:22:A:ASP:HB2	1:23:A:HIS:H	4	0.12
(1,2212)	1:135:A:SER:H	1:136:A:GLU:HB3	2	0.12
(1,2211)	1:134:A:ASP:HB2	1:135:A:SER:H	14	0.12
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	12	0.12
(1,2130)	1:46:A:GLY:HA3	1:124:A:TRP:HZ2	8	0.12
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE1	19	0.12
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE2	19	0.12
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE1	19	0.12
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE2	19	0.12
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE1	19	0.12
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE2	19	0.12
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	5	0.12
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	5	0.12
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	5	0.12
(1,2040)	1:120:A:TYR:HB2	1:124:A:TRP:HZ3	4	0.12
(1,2040)	1:120:A:TYR:HB2	1:124:A:TRP:HZ3	18	0.12
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	16	0.12
(1,1966)	1:2:A:ALA:HB1	1:113:A:PHE:HD1	9	0.12
(1,1966)	1:2:A:ALA:HB1	1:113:A:PHE:HD2	9	0.12
(1,1966)	1:2:A:ALA:HB2	1:113:A:PHE:HD1	9	0.12
(1,1966)	1:2:A:ALA:HB2	1:113:A:PHE:HD2	9	0.12
(1,1966)	1:2:A:ALA:HB3	1:113:A:PHE:HD1	9	0.12
(1,1966)	1:2:A:ALA:HB3	1:113:A:PHE:HD2	9	0.12
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD1	4	0.12
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD2	4	0.12
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD1	4	0.12
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD2	4	0.12
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD1	4	0.12
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD2	4	0.12
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD1	11	0.12
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD2	11	0.12
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD1	11	0.12
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD2	11	0.12
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD1	11	0.12
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD2	11	0.12
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD1	15	0.12
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD2	15	0.12
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD1	15	0.12
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD2	15	0.12
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD1	15	0.12
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD2	15	0.12
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD1	8	0.12
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD2	8	0.12
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD1	8	0.12
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD2	8	0.12
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD1	8	0.12
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD2	8	0.12
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD1	11	0.12
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD2	11	0.12
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD1	11	0.12
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD2	11	0.12
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD1	11	0.12
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD2	11	0.12
(1,1847)	1:145:A:PRO:HD2	1:147:A:GLU:HG3	5	0.12
(1,1786)	1:16:A:ASN:HA	1:18:A:LYS:HG2	10	0.12
(1,1786)	1:16:A:ASN:HA	1:18:A:LYS:HG3	10	0.12
(1,1778)	1:14:A:GLN:HE21	1:134:A:ASP:HA	12	0.12
(1,1750)	1:59:A:LYS:HA	1:59:A:LYS:HG2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE1	13	0.12
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE2	13	0.12
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD1	18	0.12
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD2	18	0.12
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD1	18	0.12
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD2	18	0.12
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD1	18	0.12
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD2	18	0.12
(1,1694)	1:67:A:ILE:HD11	1:95:A:VAL:HB	6	0.12
(1,1694)	1:67:A:ILE:HD12	1:95:A:VAL:HB	6	0.12
(1,1694)	1:67:A:ILE:HD13	1:95:A:VAL:HB	6	0.12
(1,1694)	1:67:A:ILE:HD11	1:95:A:VAL:HB	15	0.12
(1,1694)	1:67:A:ILE:HD12	1:95:A:VAL:HB	15	0.12
(1,1694)	1:67:A:ILE:HD13	1:95:A:VAL:HB	15	0.12
(1,1694)	1:67:A:ILE:HD11	1:95:A:VAL:HB	17	0.12
(1,1694)	1:67:A:ILE:HD12	1:95:A:VAL:HB	17	0.12
(1,1694)	1:67:A:ILE:HD13	1:95:A:VAL:HB	17	0.12
(1,1681)	1:103:A:ASP:HA	1:105:A:ASP:H	3	0.12
(1,1652)	1:20:A:MET:HE1	1:74:A:MET:HE1	6	0.12
(1,1652)	1:20:A:MET:HE1	1:74:A:MET:HE2	6	0.12
(1,1652)	1:20:A:MET:HE1	1:74:A:MET:HE3	6	0.12
(1,1652)	1:20:A:MET:HE2	1:74:A:MET:HE1	6	0.12
(1,1652)	1:20:A:MET:HE2	1:74:A:MET:HE2	6	0.12
(1,1652)	1:20:A:MET:HE2	1:74:A:MET:HE3	6	0.12
(1,1652)	1:20:A:MET:HE3	1:74:A:MET:HE1	6	0.12
(1,1652)	1:20:A:MET:HE3	1:74:A:MET:HE2	6	0.12
(1,1652)	1:20:A:MET:HE3	1:74:A:MET:HE3	6	0.12
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	8	0.12
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	8	0.12
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	8	0.12
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	11	0.12
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	11	0.12
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	11	0.12
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	16	0.12
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	16	0.12
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	16	0.12
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	19	0.12
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	19	0.12
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	19	0.12
(1,1566)	1:3:A:HIS:HA	1:69:A:GLU:HB3	11	0.12
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD21	18	0.12
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD22	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD23	18	0.12
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD21	18	0.12
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD22	18	0.12
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD23	18	0.12
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD21	18	0.12
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD22	18	0.12
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD23	18	0.12
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE1	16	0.12
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE2	16	0.12
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE3	16	0.12
(1,1440)	1:12:A:ARG:HA	1:13:A:GLY:HA3	17	0.12
(1,1377)	1:73:A:GLN:HA	1:76:A:ARG:HG3	3	0.12
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD21	11	0.12
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD22	11	0.12
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD23	11	0.12
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD21	11	0.12
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD22	11	0.12
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD23	11	0.12
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD21	11	0.12
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD22	11	0.12
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD23	11	0.12
(1,1311)	1:53:A:LEU:HB2	1:116:A:THR:HA	18	0.12
(1,1272)	1:109:A:SER:H	1:110:A:VAL:HG11	9	0.12
(1,1272)	1:109:A:SER:H	1:110:A:VAL:HG12	9	0.12
(1,1272)	1:109:A:SER:H	1:110:A:VAL:HG13	9	0.12
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	1	0.12
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	1	0.12
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	1	0.12
(1,1268)	1:9:A:THR:HG21	1:15:A:PRO:HG3	3	0.12
(1,1268)	1:9:A:THR:HG22	1:15:A:PRO:HG3	3	0.12
(1,1268)	1:9:A:THR:HG23	1:15:A:PRO:HG3	3	0.12
(1,1259)	1:9:A:THR:HG21	1:143:A:TYR:HD1	12	0.12
(1,1259)	1:9:A:THR:HG21	1:143:A:TYR:HD2	12	0.12
(1,1259)	1:9:A:THR:HG22	1:143:A:TYR:HD1	12	0.12
(1,1259)	1:9:A:THR:HG22	1:143:A:TYR:HD2	12	0.12
(1,1259)	1:9:A:THR:HG23	1:143:A:TYR:HD1	12	0.12
(1,1259)	1:9:A:THR:HG23	1:143:A:TYR:HD2	12	0.12
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG21	19	0.12
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG22	19	0.12
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG23	19	0.12
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	12	0.12
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	12	0.12
(1,1206)	1:37:A:VAL:HG11	1:95:A:VAL:HG11	17	0.12
(1,1206)	1:37:A:VAL:HG11	1:95:A:VAL:HG12	17	0.12
(1,1206)	1:37:A:VAL:HG11	1:95:A:VAL:HG13	17	0.12
(1,1206)	1:37:A:VAL:HG12	1:95:A:VAL:HG11	17	0.12
(1,1206)	1:37:A:VAL:HG12	1:95:A:VAL:HG12	17	0.12
(1,1206)	1:37:A:VAL:HG12	1:95:A:VAL:HG13	17	0.12
(1,1206)	1:37:A:VAL:HG13	1:95:A:VAL:HG11	17	0.12
(1,1206)	1:37:A:VAL:HG13	1:95:A:VAL:HG12	17	0.12
(1,1206)	1:37:A:VAL:HG13	1:95:A:VAL:HG13	17	0.12
(1,1206)	1:37:A:VAL:HG21	1:95:A:VAL:HG11	17	0.12
(1,1206)	1:37:A:VAL:HG21	1:95:A:VAL:HG12	17	0.12
(1,1206)	1:37:A:VAL:HG21	1:95:A:VAL:HG13	17	0.12
(1,1206)	1:37:A:VAL:HG22	1:95:A:VAL:HG11	17	0.12
(1,1206)	1:37:A:VAL:HG22	1:95:A:VAL:HG12	17	0.12
(1,1206)	1:37:A:VAL:HG22	1:95:A:VAL:HG13	17	0.12
(1,1206)	1:37:A:VAL:HG23	1:95:A:VAL:HG11	17	0.12
(1,1206)	1:37:A:VAL:HG23	1:95:A:VAL:HG12	17	0.12
(1,1206)	1:37:A:VAL:HG23	1:95:A:VAL:HG13	17	0.12
(1,1190)	1:43:A:VAL:HG21	1:127:A:LEU:H	13	0.12
(1,1190)	1:43:A:VAL:HG22	1:127:A:LEU:H	13	0.12
(1,1190)	1:43:A:VAL:HG23	1:127:A:LEU:H	13	0.12
(1,1189)	1:43:A:VAL:HG21	1:130:A:HIS:HD2	11	0.12
(1,1189)	1:43:A:VAL:HG22	1:130:A:HIS:HD2	11	0.12
(1,1189)	1:43:A:VAL:HG23	1:130:A:HIS:HD2	11	0.12
(1,1180)	1:119:A:THR:HG21	1:120:A:TYR:HA	5	0.12
(1,1180)	1:119:A:THR:HG22	1:120:A:TYR:HA	5	0.12
(1,1180)	1:119:A:THR:HG23	1:120:A:TYR:HA	5	0.12
(1,1166)	1:45:A:ALA:HB1	1:52:A:TRP:HB3	17	0.12
(1,1166)	1:45:A:ALA:HB2	1:52:A:TRP:HB3	17	0.12
(1,1166)	1:45:A:ALA:HB3	1:52:A:TRP:HB3	17	0.12
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	13	0.12
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	13	0.12
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	13	0.12
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	13	0.12
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	13	0.12
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	13	0.12
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	13	0.12
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	13	0.12
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	13	0.12
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	2	0.12
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	2	0.12
(1,1107)	1:98:A:LEU:HD21	1:99:A:GLU:H	15	0.12
(1,1107)	1:98:A:LEU:HD22	1:99:A:GLU:H	15	0.12
(1,1107)	1:98:A:LEU:HD23	1:99:A:GLU:H	15	0.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	2	0.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	2	0.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	2	0.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	2	0.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	2	0.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	2	0.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	2	0.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	2	0.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	2	0.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	17	0.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	17	0.12
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	17	0.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	17	0.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	17	0.12
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	17	0.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	17	0.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	17	0.12
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	17	0.12
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	6	0.12
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	6	0.12
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	6	0.12
(1,996)	1:88:A:TYR:HA	1:117:A:THR:HG21	11	0.12
(1,996)	1:88:A:TYR:HA	1:117:A:THR:HG22	11	0.12
(1,996)	1:88:A:TYR:HA	1:117:A:THR:HG23	11	0.12
(1,986)	1:10:A:LEU:HD21	1:17:A:HIS:HD2	2	0.12
(1,986)	1:10:A:LEU:HD22	1:17:A:HIS:HD2	2	0.12
(1,986)	1:10:A:LEU:HD23	1:17:A:HIS:HD2	2	0.12
(1,926)	1:36:A:THR:HG21	1:93:A:LEU:HG	14	0.12
(1,926)	1:36:A:THR:HG22	1:93:A:LEU:HG	14	0.12
(1,926)	1:36:A:THR:HG23	1:93:A:LEU:HG	14	0.12
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG21	15	0.12
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG22	15	0.12
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG23	15	0.12
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG21	15	0.12
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG22	15	0.12
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG23	15	0.12
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG21	15	0.12
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG22	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG23	15	0.12
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	13	0.12
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	13	0.12
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	13	0.12
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB3	16	0.12
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB3	16	0.12
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB3	16	0.12
(1,857)	1:27:A:LEU:HD11	1:71:A:ASP:HB2	16	0.12
(1,857)	1:27:A:LEU:HD12	1:71:A:ASP:HB2	16	0.12
(1,857)	1:27:A:LEU:HD13	1:71:A:ASP:HB2	16	0.12
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG21	6	0.12
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG22	6	0.12
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG23	6	0.12
(1,819)	1:93:A:LEU:HG	1:114:A:VAL:HB	5	0.12
(1,819)	1:93:A:LEU:HG	1:114:A:VAL:HB	6	0.12
(1,819)	1:93:A:LEU:HG	1:114:A:VAL:HB	11	0.12
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG21	11	0.12
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG22	11	0.12
(1,771)	1:53:A:LEU:HD11	1:117:A:THR:HG23	11	0.12
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG21	11	0.12
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG22	11	0.12
(1,771)	1:53:A:LEU:HD12	1:117:A:THR:HG23	11	0.12
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG21	11	0.12
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG22	11	0.12
(1,771)	1:53:A:LEU:HD13	1:117:A:THR:HG23	11	0.12
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	12	0.12
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	12	0.12
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	12	0.12
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	12	0.12
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	12	0.12
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	12	0.12
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	8	0.12
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	8	0.12
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	8	0.12
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	8	0.12
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	8	0.12
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	8	0.12
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	8	0.12
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	8	0.12
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	8	0.12
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	13	0.12
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	13	0.12
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	13	0.12
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	13	0.12
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	13	0.12
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	13	0.12
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	13	0.12
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	13	0.12
(1,729)	1:42:A:LEU:HD11	1:133:A:TYR:HA	16	0.12
(1,729)	1:42:A:LEU:HD12	1:133:A:TYR:HA	16	0.12
(1,729)	1:42:A:LEU:HD13	1:133:A:TYR:HA	16	0.12
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD11	5	0.12
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD12	5	0.12
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD13	5	0.12
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD11	12	0.12
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD12	12	0.12
(1,708)	1:43:A:VAL:HB	1:127:A:LEU:HD13	12	0.12
(1,680)	1:54:A:LEU:H	1:54:A:LEU:HG	17	0.12
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD1	20	0.12
(1,676)	1:78:A:LEU:HD11	1:115:A:TYR:HD2	20	0.12
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD1	20	0.12
(1,676)	1:78:A:LEU:HD12	1:115:A:TYR:HD2	20	0.12
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD1	20	0.12
(1,676)	1:78:A:LEU:HD13	1:115:A:TYR:HD2	20	0.12
(1,650)	1:53:A:LEU:HD21	1:63:A:VAL:HB	1	0.12
(1,650)	1:53:A:LEU:HD22	1:63:A:VAL:HB	1	0.12
(1,650)	1:53:A:LEU:HD23	1:63:A:VAL:HB	1	0.12
(1,639)	1:53:A:LEU:HG	1:54:A:LEU:H	10	0.12
(1,639)	1:53:A:LEU:HG	1:54:A:LEU:H	17	0.12
(1,597)	1:76:A:ARG:HA	1:76:A:ARG:HG2	12	0.12
(1,591)	1:14:A:GLN:HA	1:15:A:PRO:HG2	2	0.12
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	20	0.12
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	20	0.12
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	20	0.12
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	1	0.12
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	5	0.12
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	14	0.12
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	16	0.12
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	17	0.12
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	19	0.12
(1,397)	1:96:A:GLN:HB3	1:96:A:GLN:HG3	2	0.12
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	3	0.12
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	3	0.12
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	3	0.12
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	3	0.12
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	3	0.12
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	12	0.12
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	12	0.12
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	12	0.12
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	12	0.12
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	12	0.12
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	12	0.12
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	18	0.12
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	18	0.12
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	18	0.12
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	18	0.12
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	18	0.12
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	18	0.12
(1,382)	1:26:A:GLY:HA3	1:73:A:GLN:HG2	18	0.12
(1,380)	1:84:A:CYS:HA	1:85:A:PRO:HB2	4	0.12
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD21	12	0.12
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD22	12	0.12
(1,353)	1:33:A:ARG:HB3	1:98:A:LEU:HD23	12	0.12
(1,314)	1:99:A:GLU:H	1:99:A:GLU:HG2	16	0.12
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	10	0.12
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	10	0.12
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	10	0.12
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	10	0.12
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	10	0.12
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	10	0.12
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	18	0.12
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	18	0.12
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	18	0.12
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	18	0.12
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	18	0.12
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	18	0.12
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	20	0.12
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	20	0.12
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	20	0.12
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	20	0.12
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	20	0.12
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	20	0.12
(1,239)	1:126:A:PHE:HB2	1:127:A:LEU:HD21	7	0.12
(1,239)	1:126:A:PHE:HB2	1:127:A:LEU:HD22	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:126:A:PHE:HB2	1:127:A:LEU:HD23	7	0.12
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD1	7	0.12
(1,185)	1:127:A:LEU:HB3	1:129:A:TYR:HD2	7	0.12
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	5	0.12
(1,137)	1:74:A:MET:H	1:75:A:LEU:HB3	7	0.12
(1,88)	1:149:A:ARG:HB2	1:149:A:ARG:HD2	13	0.12
(1,88)	1:149:A:ARG:HB3	1:149:A:ARG:HD2	13	0.12
(1,32)	1:93:A:LEU:HB2	1:114:A:VAL:HB	10	0.12
(1,29)	1:59:A:LYS:HB2	1:60:A:GLY:HA2	10	0.12
(1,29)	1:59:A:LYS:HB3	1:60:A:GLY:HA2	10	0.12
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG11	7	0.12
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG12	7	0.12
(1,25)	1:34:A:GLY:HA3	1:97:A:VAL:HG13	7	0.12
(1,15)	1:7:A:TYR:H	1:8:A:GLY:HA3	5	0.12
(1,5)	1:65:A:GLY:HA2	1:66:A:GLU:HB3	1	0.12
(1,2973)	1:140:A:GLY:H	1:141:A:LEU:HG	20	0.11
(1,2948)	1:97:A:VAL:HG21	1:107:A:GLY:H	5	0.11
(1,2948)	1:97:A:VAL:HG22	1:107:A:GLY:H	5	0.11
(1,2948)	1:97:A:VAL:HG23	1:107:A:GLY:H	5	0.11
(1,2883)	1:134:A:ASP:HB2	1:136:A:GLU:H	19	0.11
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	4	0.11
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	10	0.11
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	14	0.11
(1,2861)	1:20:A:MET:H	1:20:A:MET:HB2	18	0.11
(1,2766)	1:22:A:ASP:HB2	1:24:A:SER:H	19	0.11
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD21	10	0.11
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD22	10	0.11
(1,2728)	1:35:A:CYS:H	1:98:A:LEU:HD23	10	0.11
(1,2704)	1:22:A:ASP:H	1:22:A:ASP:HB2	3	0.11
(1,2677)	1:95:A:VAL:HB	1:110:A:VAL:H	18	0.11
(1,2655)	1:80:A:ASP:H	1:80:A:ASP:HB2	4	0.11
(1,2533)	1:12:A:ARG:H	1:12:A:ARG:HD2	3	0.11
(1,2533)	1:12:A:ARG:H	1:12:A:ARG:HD2	8	0.11
(1,2533)	1:12:A:ARG:H	1:12:A:ARG:HD2	10	0.11
(1,2533)	1:12:A:ARG:H	1:12:A:ARG:HD2	15	0.11
(1,2533)	1:12:A:ARG:H	1:12:A:ARG:HD2	17	0.11
(1,2486)	1:67:A:ILE:H	1:67:A:ILE:HG12	18	0.11
(1,2448)	1:140:A:GLY:HA3	1:142:A:ARG:H	11	0.11
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	13	0.11
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	14	0.11
(1,2379)	1:52:A:TRP:H	1:52:A:TRP:HB3	15	0.11
(1,2362)	1:55:A:TYR:H	1:117:A:THR:HG21	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:55:A:TYR:H	1:117:A:THR:HG22	9	0.11
(1,2362)	1:55:A:TYR:H	1:117:A:THR:HG23	9	0.11
(1,2254)	1:99:A:GLU:HG3	1:100:A:TRP:H	3	0.11
(1,2206)	1:133:A:TYR:HD1	1:135:A:SER:H	11	0.11
(1,2206)	1:133:A:TYR:HD2	1:135:A:SER:H	11	0.11
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	13	0.11
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE1	9	0.11
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE2	9	0.11
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE1	9	0.11
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE2	9	0.11
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE1	9	0.11
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE2	9	0.11
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE1	17	0.11
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE2	17	0.11
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE1	17	0.11
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE2	17	0.11
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE1	17	0.11
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE2	17	0.11
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG21	7	0.11
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG22	7	0.11
(1,2085)	1:3:A:HIS:HD2	1:67:A:ILE:HG23	7	0.11
(1,2071)	1:43:A:VAL:HG11	1:124:A:TRP:HE3	12	0.11
(1,2071)	1:43:A:VAL:HG12	1:124:A:TRP:HE3	12	0.11
(1,2071)	1:43:A:VAL:HG13	1:124:A:TRP:HE3	12	0.11
(1,2027)	1:67:A:ILE:HG21	1:100:A:TRP:HH2	14	0.11
(1,2027)	1:67:A:ILE:HG22	1:100:A:TRP:HH2	14	0.11
(1,2027)	1:67:A:ILE:HG23	1:100:A:TRP:HH2	14	0.11
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD11	16	0.11
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD12	16	0.11
(1,1991)	1:40:A:PHE:HZ	1:93:A:LEU:HD13	16	0.11
(1,1984)	1:19:A:VAL:HB	1:77:A:PHE:HE1	11	0.11
(1,1984)	1:19:A:VAL:HB	1:77:A:PHE:HE2	11	0.11
(1,1953)	1:30:A:PHE:HE1	1:66:A:GLU:HB2	3	0.11
(1,1953)	1:30:A:PHE:HE2	1:66:A:GLU:HB2	3	0.11
(1,1950)	1:126:A:PHE:HA	1:126:A:PHE:HD1	4	0.11
(1,1950)	1:126:A:PHE:HA	1:126:A:PHE:HD2	4	0.11
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD11	15	0.11
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD12	15	0.11
(1,1945)	1:40:A:PHE:HD1	1:93:A:LEU:HD13	15	0.11
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD11	15	0.11
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD12	15	0.11
(1,1945)	1:40:A:PHE:HD2	1:93:A:LEU:HD13	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:129:A:TYR:HD1	1:130:A:HIS:H	7	0.11
(1,1936)	1:129:A:TYR:HD2	1:130:A:HIS:H	7	0.11
(1,1934)	1:74:A:MET:HE1	1:77:A:PHE:HD1	7	0.11
(1,1934)	1:74:A:MET:HE1	1:77:A:PHE:HD2	7	0.11
(1,1934)	1:74:A:MET:HE2	1:77:A:PHE:HD1	7	0.11
(1,1934)	1:74:A:MET:HE2	1:77:A:PHE:HD2	7	0.11
(1,1934)	1:74:A:MET:HE3	1:77:A:PHE:HD1	7	0.11
(1,1934)	1:74:A:MET:HE3	1:77:A:PHE:HD2	7	0.11
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD1	19	0.11
(1,1922)	1:44:A:ILE:HD11	1:133:A:TYR:HD2	19	0.11
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD1	19	0.11
(1,1922)	1:44:A:ILE:HD12	1:133:A:TYR:HD2	19	0.11
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD1	19	0.11
(1,1922)	1:44:A:ILE:HD13	1:133:A:TYR:HD2	19	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD1	1	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD2	1	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD1	1	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD2	1	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD1	1	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD2	1	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD1	5	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD2	5	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD1	5	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD2	5	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD1	5	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD2	5	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD1	9	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD2	9	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD1	9	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD2	9	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD1	9	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD2	9	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD1	10	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD2	10	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD1	10	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD2	10	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD1	10	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD2	10	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD1	19	0.11
(1,1921)	1:6:A:VAL:HG21	1:68:A:TYR:HD2	19	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD1	19	0.11
(1,1921)	1:6:A:VAL:HG22	1:68:A:TYR:HD2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD1	19	0.11
(1,1921)	1:6:A:VAL:HG23	1:68:A:TYR:HD2	19	0.11
(1,1920)	1:28:A:ALA:HB1	1:68:A:TYR:HD1	1	0.11
(1,1920)	1:28:A:ALA:HB1	1:68:A:TYR:HD2	1	0.11
(1,1920)	1:28:A:ALA:HB2	1:68:A:TYR:HD1	1	0.11
(1,1920)	1:28:A:ALA:HB2	1:68:A:TYR:HD2	1	0.11
(1,1920)	1:28:A:ALA:HB3	1:68:A:TYR:HD1	1	0.11
(1,1920)	1:28:A:ALA:HB3	1:68:A:TYR:HD2	1	0.11
(1,1920)	1:28:A:ALA:HB1	1:68:A:TYR:HD1	6	0.11
(1,1920)	1:28:A:ALA:HB1	1:68:A:TYR:HD2	6	0.11
(1,1920)	1:28:A:ALA:HB2	1:68:A:TYR:HD1	6	0.11
(1,1920)	1:28:A:ALA:HB2	1:68:A:TYR:HD2	6	0.11
(1,1920)	1:28:A:ALA:HB3	1:68:A:TYR:HD1	6	0.11
(1,1920)	1:28:A:ALA:HB3	1:68:A:TYR:HD2	6	0.11
(1,1920)	1:28:A:ALA:HB1	1:68:A:TYR:HD1	19	0.11
(1,1920)	1:28:A:ALA:HB1	1:68:A:TYR:HD2	19	0.11
(1,1920)	1:28:A:ALA:HB2	1:68:A:TYR:HD1	19	0.11
(1,1920)	1:28:A:ALA:HB2	1:68:A:TYR:HD2	19	0.11
(1,1920)	1:28:A:ALA:HB3	1:68:A:TYR:HD1	19	0.11
(1,1920)	1:28:A:ALA:HB3	1:68:A:TYR:HD2	19	0.11
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD1	10	0.11
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD2	10	0.11
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD1	10	0.11
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD2	10	0.11
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD1	10	0.11
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD2	10	0.11
(1,1899)	1:50:A:ILE:HD11	1:143:A:TYR:HD1	6	0.11
(1,1899)	1:50:A:ILE:HD11	1:143:A:TYR:HD2	6	0.11
(1,1899)	1:50:A:ILE:HD12	1:143:A:TYR:HD1	6	0.11
(1,1899)	1:50:A:ILE:HD12	1:143:A:TYR:HD2	6	0.11
(1,1899)	1:50:A:ILE:HD13	1:143:A:TYR:HD1	6	0.11
(1,1899)	1:50:A:ILE:HD13	1:143:A:TYR:HD2	6	0.11
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	9	0.11
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	9	0.11
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	9	0.11
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	9	0.11
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	9	0.11
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	9	0.11
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	19	0.11
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	19	0.11
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	19	0.11
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	19	0.11
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	19	0.11
(1,1887)	1:55:A:TYR:HD1	1:116:A:THR:HB	15	0.11
(1,1887)	1:55:A:TYR:HD2	1:116:A:THR:HB	15	0.11
(1,1835)	1:27:A:LEU:HD21	1:29:A:ALA:HA	16	0.11
(1,1835)	1:27:A:LEU:HD22	1:29:A:ALA:HA	16	0.11
(1,1835)	1:27:A:LEU:HD23	1:29:A:ALA:HA	16	0.11
(1,1757)	1:50:A:ILE:H	1:50:A:ILE:HD11	9	0.11
(1,1757)	1:50:A:ILE:H	1:50:A:ILE:HD12	9	0.11
(1,1757)	1:50:A:ILE:H	1:50:A:ILE:HD13	9	0.11
(1,1756)	1:48:A:HIS:HD2	1:50:A:ILE:HD11	18	0.11
(1,1756)	1:48:A:HIS:HD2	1:50:A:ILE:HD12	18	0.11
(1,1756)	1:48:A:HIS:HD2	1:50:A:ILE:HD13	18	0.11
(1,1750)	1:59:A:LYS:HA	1:59:A:LYS:HG2	1	0.11
(1,1750)	1:59:A:LYS:HA	1:59:A:LYS:HG2	14	0.11
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE1	11	0.11
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE2	11	0.11
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE1	15	0.11
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE2	15	0.11
(1,1707)	1:4:A:ILE:HD11	1:68:A:TYR:HD1	3	0.11
(1,1707)	1:4:A:ILE:HD11	1:68:A:TYR:HD2	3	0.11
(1,1707)	1:4:A:ILE:HD12	1:68:A:TYR:HD1	3	0.11
(1,1707)	1:4:A:ILE:HD12	1:68:A:TYR:HD2	3	0.11
(1,1707)	1:4:A:ILE:HD13	1:68:A:TYR:HD1	3	0.11
(1,1707)	1:4:A:ILE:HD13	1:68:A:TYR:HD2	3	0.11
(1,1707)	1:4:A:ILE:HD11	1:68:A:TYR:HD1	12	0.11
(1,1707)	1:4:A:ILE:HD11	1:68:A:TYR:HD2	12	0.11
(1,1707)	1:4:A:ILE:HD12	1:68:A:TYR:HD1	12	0.11
(1,1707)	1:4:A:ILE:HD12	1:68:A:TYR:HD2	12	0.11
(1,1707)	1:4:A:ILE:HD13	1:68:A:TYR:HD1	12	0.11
(1,1707)	1:4:A:ILE:HD13	1:68:A:TYR:HD2	12	0.11
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD1	4	0.11
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD2	4	0.11
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD1	4	0.11
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD2	4	0.11
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD1	4	0.11
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD2	4	0.11
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD1	13	0.11
(1,1706)	1:4:A:ILE:HD11	1:113:A:PHE:HD2	13	0.11
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD1	13	0.11
(1,1706)	1:4:A:ILE:HD12	1:113:A:PHE:HD2	13	0.11
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD1	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:4:A:ILE:HD13	1:113:A:PHE:HD2	13	0.11
(1,1694)	1:67:A:ILE:HD11	1:95:A:VAL:HB	18	0.11
(1,1694)	1:67:A:ILE:HD12	1:95:A:VAL:HB	18	0.11
(1,1694)	1:67:A:ILE:HD13	1:95:A:VAL:HB	18	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD11	15	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD12	15	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD13	15	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD11	17	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD12	17	0.11
(1,1684)	1:32:A:GLY:H	1:67:A:ILE:HD13	17	0.11
(1,1661)	1:5:A:PHE:HA	1:6:A:VAL:HG21	5	0.11
(1,1661)	1:5:A:PHE:HA	1:6:A:VAL:HG22	5	0.11
(1,1661)	1:5:A:PHE:HA	1:6:A:VAL:HG23	5	0.11
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	15	0.11
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	15	0.11
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	15	0.11
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG21	4	0.11
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG22	4	0.11
(1,1607)	1:44:A:ILE:HG21	1:50:A:ILE:HG23	4	0.11
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG21	4	0.11
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG22	4	0.11
(1,1607)	1:44:A:ILE:HG22	1:50:A:ILE:HG23	4	0.11
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG21	4	0.11
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG22	4	0.11
(1,1607)	1:44:A:ILE:HG23	1:50:A:ILE:HG23	4	0.11
(1,1560)	1:3:A:HIS:HA	1:69:A:GLU:HG2	12	0.11
(1,1531)	1:44:A:ILE:HG21	1:49:A:ASN:H	17	0.11
(1,1531)	1:44:A:ILE:HG22	1:49:A:ASN:H	17	0.11
(1,1531)	1:44:A:ILE:HG23	1:49:A:ASN:H	17	0.11
(1,1511)	1:25:A:HIS:HB3	1:74:A:MET:HE1	20	0.11
(1,1511)	1:25:A:HIS:HB3	1:74:A:MET:HE2	20	0.11
(1,1511)	1:25:A:HIS:HB3	1:74:A:MET:HE3	20	0.11
(1,1505)	1:74:A:MET:HE1	1:75:A:LEU:H	9	0.11
(1,1505)	1:74:A:MET:HE2	1:75:A:LEU:H	9	0.11
(1,1505)	1:74:A:MET:HE3	1:75:A:LEU:H	9	0.11
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	12	0.11
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	12	0.11
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	12	0.11
(1,1416)	1:43:A:VAL:HG11	1:52:A:TRP:HD1	18	0.11
(1,1416)	1:43:A:VAL:HG12	1:52:A:TRP:HD1	18	0.11
(1,1416)	1:43:A:VAL:HG13	1:52:A:TRP:HD1	18	0.11
(1,1384)	1:6:A:VAL:HA	1:68:A:TYR:HD1	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:6:A:VAL:HA	1:68:A:TYR:HD2	4	0.11
(1,1377)	1:73:A:GLN:HA	1:76:A:ARG:HG3	12	0.11
(1,1348)	1:6:A:VAL:HG11	1:66:A:GLU:H	12	0.11
(1,1348)	1:6:A:VAL:HG12	1:66:A:GLU:H	12	0.11
(1,1348)	1:6:A:VAL:HG13	1:66:A:GLU:H	12	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB1	3	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB2	3	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB3	3	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB1	3	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB2	3	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB3	3	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB1	9	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB2	9	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB3	9	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB1	9	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB2	9	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB3	9	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB1	20	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB2	20	0.11
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB3	20	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB1	20	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB2	20	0.11
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB3	20	0.11
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG21	10	0.11
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG22	10	0.11
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG23	10	0.11
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG21	20	0.11
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG22	20	0.11
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG23	20	0.11
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	9	0.11
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	9	0.11
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	9	0.11
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG11	20	0.11
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG12	20	0.11
(1,1273)	1:109:A:SER:HB3	1:110:A:VAL:HG13	20	0.11
(1,1259)	1:9:A:THR:HG21	1:143:A:TYR:HD1	5	0.11
(1,1259)	1:9:A:THR:HG21	1:143:A:TYR:HD2	5	0.11
(1,1259)	1:9:A:THR:HG22	1:143:A:TYR:HD1	5	0.11
(1,1259)	1:9:A:THR:HG22	1:143:A:TYR:HD2	5	0.11
(1,1259)	1:9:A:THR:HG23	1:143:A:TYR:HD1	5	0.11
(1,1259)	1:9:A:THR:HG23	1:143:A:TYR:HD2	5	0.11
(1,1259)	1:9:A:THR:HG21	1:143:A:TYR:HD1	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:9:A:THR:HG21	1:143:A:TYR:HD2	11	0.11
(1,1259)	1:9:A:THR:HG22	1:143:A:TYR:HD1	11	0.11
(1,1259)	1:9:A:THR:HG22	1:143:A:TYR:HD2	11	0.11
(1,1259)	1:9:A:THR:HG23	1:143:A:TYR:HD1	11	0.11
(1,1259)	1:9:A:THR:HG23	1:143:A:TYR:HD2	11	0.11
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG21	6	0.11
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG22	6	0.11
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG23	6	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	1	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	1	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	1	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	3	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	3	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	3	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG21	10	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG22	10	0.11
(1,1245)	1:93:A:LEU:HG	1:95:A:VAL:HG23	10	0.11
(1,1224)	1:91:A:THR:HG21	1:92:A:ALA:HB1	4	0.11
(1,1224)	1:91:A:THR:HG21	1:92:A:ALA:HB2	4	0.11
(1,1224)	1:91:A:THR:HG21	1:92:A:ALA:HB3	4	0.11
(1,1224)	1:91:A:THR:HG22	1:92:A:ALA:HB1	4	0.11
(1,1224)	1:91:A:THR:HG22	1:92:A:ALA:HB2	4	0.11
(1,1224)	1:91:A:THR:HG22	1:92:A:ALA:HB3	4	0.11
(1,1224)	1:91:A:THR:HG23	1:92:A:ALA:HB1	4	0.11
(1,1224)	1:91:A:THR:HG23	1:92:A:ALA:HB2	4	0.11
(1,1224)	1:91:A:THR:HG23	1:92:A:ALA:HB3	4	0.11
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD21	7	0.11
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD22	7	0.11
(1,1208)	1:64:A:THR:HA	1:98:A:LEU:HD23	7	0.11
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG21	4	0.11
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG22	4	0.11
(1,1193)	1:41:A:PRO:HA	1:43:A:VAL:HG23	4	0.11
(1,1182)	1:118:A:ALA:HB1	1:119:A:THR:HG21	14	0.11
(1,1182)	1:118:A:ALA:HB1	1:119:A:THR:HG22	14	0.11
(1,1182)	1:118:A:ALA:HB1	1:119:A:THR:HG23	14	0.11
(1,1182)	1:118:A:ALA:HB2	1:119:A:THR:HG21	14	0.11
(1,1182)	1:118:A:ALA:HB2	1:119:A:THR:HG22	14	0.11
(1,1182)	1:118:A:ALA:HB2	1:119:A:THR:HG23	14	0.11
(1,1182)	1:118:A:ALA:HB3	1:119:A:THR:HG21	14	0.11
(1,1182)	1:118:A:ALA:HB3	1:119:A:THR:HG22	14	0.11
(1,1182)	1:118:A:ALA:HB3	1:119:A:THR:HG23	14	0.11
(1,1180)	1:119:A:THR:HG21	1:120:A:TYR:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:119:A:THR:HG22	1:120:A:TYR:HA	9	0.11
(1,1180)	1:119:A:THR:HG23	1:120:A:TYR:HA	9	0.11
(1,1180)	1:119:A:THR:HG21	1:120:A:TYR:HA	12	0.11
(1,1180)	1:119:A:THR:HG22	1:120:A:TYR:HA	12	0.11
(1,1180)	1:119:A:THR:HG23	1:120:A:TYR:HA	12	0.11
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG21	9	0.11
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG22	9	0.11
(1,1138)	1:53:A:LEU:HD11	1:114:A:VAL:HG23	9	0.11
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG21	9	0.11
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG22	9	0.11
(1,1138)	1:53:A:LEU:HD12	1:114:A:VAL:HG23	9	0.11
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG21	9	0.11
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG22	9	0.11
(1,1138)	1:53:A:LEU:HD13	1:114:A:VAL:HG23	9	0.11
(1,1125)	1:97:A:VAL:HG21	1:109:A:SER:HB3	2	0.11
(1,1125)	1:97:A:VAL:HG22	1:109:A:SER:HB3	2	0.11
(1,1125)	1:97:A:VAL:HG23	1:109:A:SER:HB3	2	0.11
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	4	0.11
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	4	0.11
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	4	0.11
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	4	0.11
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	4	0.11
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	4	0.11
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	4	0.11
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	4	0.11
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	4	0.11
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	8	0.11
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	8	0.11
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	8	0.11
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	8	0.11
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	8	0.11
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	8	0.11
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	8	0.11
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	8	0.11
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	8	0.11
(1,1012)	1:21:A:LEU:HA	1:28:A:ALA:HB1	1	0.11
(1,1012)	1:21:A:LEU:HA	1:28:A:ALA:HB2	1	0.11
(1,1012)	1:21:A:LEU:HA	1:28:A:ALA:HB3	1	0.11
(1,1002)	1:117:A:THR:HG21	1:120:A:TYR:HB2	9	0.11
(1,1002)	1:117:A:THR:HG22	1:120:A:TYR:HB2	9	0.11
(1,1002)	1:117:A:THR:HG23	1:120:A:TYR:HB2	9	0.11
(1,979)	1:54:A:LEU:HB3	1:54:A:LEU:HD21	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:54:A:LEU:HB3	1:54:A:LEU:HD22	9	0.11
(1,979)	1:54:A:LEU:HB3	1:54:A:LEU:HD23	9	0.11
(1,937)	1:37:A:VAL:HG11	1:94:A:GLN:HE22	4	0.11
(1,937)	1:37:A:VAL:HG12	1:94:A:GLN:HE22	4	0.11
(1,937)	1:37:A:VAL:HG13	1:94:A:GLN:HE22	4	0.11
(1,937)	1:37:A:VAL:HG21	1:94:A:GLN:HE22	4	0.11
(1,937)	1:37:A:VAL:HG22	1:94:A:GLN:HE22	4	0.11
(1,937)	1:37:A:VAL:HG23	1:94:A:GLN:HE22	4	0.11
(1,937)	1:37:A:VAL:HG11	1:94:A:GLN:HE22	10	0.11
(1,937)	1:37:A:VAL:HG12	1:94:A:GLN:HE22	10	0.11
(1,937)	1:37:A:VAL:HG13	1:94:A:GLN:HE22	10	0.11
(1,937)	1:37:A:VAL:HG21	1:94:A:GLN:HE22	10	0.11
(1,937)	1:37:A:VAL:HG22	1:94:A:GLN:HE22	10	0.11
(1,937)	1:37:A:VAL:HG23	1:94:A:GLN:HE22	10	0.11
(1,926)	1:36:A:THR:HG21	1:93:A:LEU:HG	20	0.11
(1,926)	1:36:A:THR:HG22	1:93:A:LEU:HG	20	0.11
(1,926)	1:36:A:THR:HG23	1:93:A:LEU:HG	20	0.11
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG21	10	0.11
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG22	10	0.11
(1,925)	1:36:A:THR:HG21	1:63:A:VAL:HG23	10	0.11
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG21	10	0.11
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG22	10	0.11
(1,925)	1:36:A:THR:HG22	1:63:A:VAL:HG23	10	0.11
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG21	10	0.11
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG22	10	0.11
(1,925)	1:36:A:THR:HG23	1:63:A:VAL:HG23	10	0.11
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD21	1	0.11
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD22	1	0.11
(1,909)	1:92:A:ALA:HA	1:93:A:LEU:HD23	1	0.11
(1,886)	1:39:A:SER:HB2	1:61:A:HIS:HA	16	0.11
(1,873)	1:27:A:LEU:HD21	1:71:A:ASP:H	20	0.11
(1,873)	1:27:A:LEU:HD22	1:71:A:ASP:H	20	0.11
(1,873)	1:27:A:LEU:HD23	1:71:A:ASP:H	20	0.11
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD21	16	0.11
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD22	16	0.11
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD23	16	0.11
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	10	0.11
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	10	0.11
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	10	0.11
(1,819)	1:93:A:LEU:HG	1:114:A:VAL:HB	9	0.11
(1,819)	1:93:A:LEU:HG	1:114:A:VAL:HB	19	0.11
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD11	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD12	16	0.11
(1,793)	1:36:A:THR:HG21	1:93:A:LEU:HD13	16	0.11
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD11	16	0.11
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD12	16	0.11
(1,793)	1:36:A:THR:HG22	1:93:A:LEU:HD13	16	0.11
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD11	16	0.11
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD12	16	0.11
(1,793)	1:36:A:THR:HG23	1:93:A:LEU:HD13	16	0.11
(1,791)	1:93:A:LEU:HD11	1:94:A:GLN:H	15	0.11
(1,791)	1:93:A:LEU:HD12	1:94:A:GLN:H	15	0.11
(1,791)	1:93:A:LEU:HD13	1:94:A:GLN:H	15	0.11
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD21	8	0.11
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD22	8	0.11
(1,777)	1:56:A:LEU:HD21	1:125:A:LEU:HD23	8	0.11
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD21	8	0.11
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD22	8	0.11
(1,777)	1:56:A:LEU:HD22	1:125:A:LEU:HD23	8	0.11
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD21	8	0.11
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD22	8	0.11
(1,777)	1:56:A:LEU:HD23	1:125:A:LEU:HD23	8	0.11
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD11	18	0.11
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD12	18	0.11
(1,767)	1:40:A:PHE:HE1	1:53:A:LEU:HD13	18	0.11
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD11	18	0.11
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD12	18	0.11
(1,767)	1:40:A:PHE:HE2	1:53:A:LEU:HD13	18	0.11
(1,762)	1:53:A:LEU:HD11	1:55:A:TYR:HA	15	0.11
(1,762)	1:53:A:LEU:HD12	1:55:A:TYR:HA	15	0.11
(1,762)	1:53:A:LEU:HD13	1:55:A:TYR:HA	15	0.11
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	19	0.11
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	19	0.11
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	19	0.11
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	19	0.11
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	19	0.11
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	19	0.11
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	19	0.11
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	19	0.11
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	19	0.11
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG21	10	0.11
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG22	10	0.11
(1,719)	1:106:A:PRO:HG3	1:110:A:VAL:HG23	10	0.11
(1,680)	1:54:A:LEU:H	1:54:A:LEU:HG	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	15	0.11
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	15	0.11
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	15	0.11
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	15	0.11
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	15	0.11
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	15	0.11
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	15	0.11
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	15	0.11
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	15	0.11
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD21	7	0.11
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD22	7	0.11
(1,647)	1:40:A:PHE:HB2	1:53:A:LEU:HD23	7	0.11
(1,639)	1:53:A:LEU:HG	1:54:A:LEU:H	9	0.11
(1,639)	1:53:A:LEU:HG	1:54:A:LEU:H	13	0.11
(1,636)	1:146:A:ARG:HG3	1:149:A:ARG:HA	12	0.11
(1,611)	1:142:A:ARG:HA	1:142:A:ARG:HG2	15	0.11
(1,550)	1:37:A:VAL:HA	1:96:A:GLN:HB3	6	0.11
(1,532)	1:18:A:LYS:HD2	1:19:A:VAL:H	10	0.11
(1,524)	1:96:A:GLN:HB3	1:96:A:GLN:HE22	14	0.11
(1,512)	1:146:A:ARG:HB3	1:147:A:GLU:H	4	0.11
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	2	0.11
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	2	0.11
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	2	0.11
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	5	0.11
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	5	0.11
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	5	0.11
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	6	0.11
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	6	0.11
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	6	0.11
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	8	0.11
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	8	0.11
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	8	0.11
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	13	0.11
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	13	0.11
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	13	0.11
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	14	0.11
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	14	0.11
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	14	0.11
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	17	0.11
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	17	0.11
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	17	0.11
(1,465)	1:31:A:ARG:HB2	1:100:A:TRP:HH2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	8	0.11
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	9	0.11
(1,451)	1:97:A:VAL:HB	1:108:A:ASP:HA	12	0.11
(1,403)	1:94:A:GLN:HG2	1:94:A:GLN:HE21	20	0.11
(1,393)	1:96:A:GLN:HG3	1:109:A:SER:HB2	5	0.11
(1,382)	1:26:A:GLY:HA3	1:73:A:GLN:HG2	7	0.11
(1,374)	1:112:A:CYS:H	1:112:A:CYS:HB2	15	0.11
(1,348)	1:59:A:LYS:HB2	1:129:A:TYR:HE1	13	0.11
(1,348)	1:59:A:LYS:HB2	1:129:A:TYR:HE2	13	0.11
(1,348)	1:59:A:LYS:HB3	1:129:A:TYR:HE1	13	0.11
(1,348)	1:59:A:LYS:HB3	1:129:A:TYR:HE2	13	0.11
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	5	0.11
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	5	0.11
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	5	0.11
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	5	0.11
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	5	0.11
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	5	0.11
(1,277)	1:37:A:VAL:HG11	1:38:A:GLU:HG3	11	0.11
(1,277)	1:37:A:VAL:HG12	1:38:A:GLU:HG3	11	0.11
(1,277)	1:37:A:VAL:HG13	1:38:A:GLU:HG3	11	0.11
(1,277)	1:37:A:VAL:HG21	1:38:A:GLU:HG3	11	0.11
(1,277)	1:37:A:VAL:HG22	1:38:A:GLU:HG3	11	0.11
(1,277)	1:37:A:VAL:HG23	1:38:A:GLU:HG3	11	0.11
(1,268)	1:123:A:GLU:HB2	1:123:A:GLU:HG2	11	0.11
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	15	0.11
(1,215)	1:78:A:LEU:H	1:79:A:ASP:HB3	14	0.11
(1,212)	1:44:A:ILE:HG21	1:141:A:LEU:HB3	12	0.11
(1,212)	1:44:A:ILE:HG22	1:141:A:LEU:HB3	12	0.11
(1,212)	1:44:A:ILE:HG23	1:141:A:LEU:HB3	12	0.11
(1,212)	1:44:A:ILE:HG21	1:141:A:LEU:HB3	14	0.11
(1,212)	1:44:A:ILE:HG22	1:141:A:LEU:HB3	14	0.11
(1,212)	1:44:A:ILE:HG23	1:141:A:LEU:HB3	14	0.11
(1,203)	1:31:A:ARG:HB2	1:67:A:ILE:HB	12	0.11
(1,188)	1:41:A:PRO:HB3	1:54:A:LEU:HB2	19	0.11
(1,177)	1:132:A:SER:HA	1:133:A:TYR:HB2	2	0.11
(1,170)	1:48:A:HIS:HB3	1:50:A:ILE:HB	4	0.11
(1,93)	1:33:A:ARG:HD2	1:98:A:LEU:HB3	13	0.11
(1,50)	1:39:A:SER:H	1:58:A:GLY:HA3	12	0.11
(1,15)	1:7:A:TYR:H	1:8:A:GLY:HA3	17	0.11
(1,2942)	1:10:A:LEU:HD21	1:16:A:ASN:H	11	0.1
(1,2942)	1:10:A:LEU:HD22	1:16:A:ASN:H	11	0.1
(1,2942)	1:10:A:LEU:HD23	1:16:A:ASN:H	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG21	7	0.1
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG22	7	0.1
(1,2509)	1:61:A:HIS:H	1:63:A:VAL:HG23	7	0.1
(1,2411)	1:110:A:VAL:HG11	1:112:A:CYS:H	11	0.1
(1,2411)	1:110:A:VAL:HG12	1:112:A:CYS:H	11	0.1
(1,2411)	1:110:A:VAL:HG13	1:112:A:CYS:H	11	0.1
(1,2288)	1:29:A:ALA:H	1:69:A:GLU:HB2	18	0.1
(1,2202)	1:42:A:LEU:HD11	1:134:A:ASP:H	12	0.1
(1,2202)	1:42:A:LEU:HD12	1:134:A:ASP:H	12	0.1
(1,2202)	1:42:A:LEU:HD13	1:134:A:ASP:H	12	0.1
(1,2171)	1:31:A:ARG:HB2	1:101:A:GLU:H	19	0.1
(1,2145)	1:53:A:LEU:HD11	1:56:A:LEU:H	5	0.1
(1,2145)	1:53:A:LEU:HD12	1:56:A:LEU:H	5	0.1
(1,2145)	1:53:A:LEU:HD13	1:56:A:LEU:H	5	0.1
(1,2120)	1:100:A:TRP:HZ2	1:104:A:GLY:HA3	3	0.1
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE1	12	0.1
(1,2115)	1:79:A:ASP:HB3	1:115:A:TYR:HE2	12	0.1
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE1	12	0.1
(1,2102)	1:50:A:ILE:HG21	1:143:A:TYR:HE2	12	0.1
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE1	12	0.1
(1,2102)	1:50:A:ILE:HG22	1:143:A:TYR:HE2	12	0.1
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE1	12	0.1
(1,2102)	1:50:A:ILE:HG23	1:143:A:TYR:HE2	12	0.1
(1,2098)	1:55:A:TYR:HE1	1:91:A:THR:HG21	7	0.1
(1,2098)	1:55:A:TYR:HE1	1:91:A:THR:HG22	7	0.1
(1,2098)	1:55:A:TYR:HE1	1:91:A:THR:HG23	7	0.1
(1,2098)	1:55:A:TYR:HE2	1:91:A:THR:HG21	7	0.1
(1,2098)	1:55:A:TYR:HE2	1:91:A:THR:HG22	7	0.1
(1,2098)	1:55:A:TYR:HE2	1:91:A:THR:HG23	7	0.1
(1,1975)	1:40:A:PHE:HE1	1:57:A:PRO:HD2	3	0.1
(1,1975)	1:40:A:PHE:HE2	1:57:A:PRO:HD2	3	0.1
(1,1967)	1:92:A:ALA:HB1	1:113:A:PHE:HD1	5	0.1
(1,1967)	1:92:A:ALA:HB1	1:113:A:PHE:HD2	5	0.1
(1,1967)	1:92:A:ALA:HB2	1:113:A:PHE:HD1	5	0.1
(1,1967)	1:92:A:ALA:HB2	1:113:A:PHE:HD2	5	0.1
(1,1967)	1:92:A:ALA:HB3	1:113:A:PHE:HD1	5	0.1
(1,1967)	1:92:A:ALA:HB3	1:113:A:PHE:HD2	5	0.1
(1,1948)	1:125:A:LEU:HB2	1:126:A:PHE:HE1	4	0.1
(1,1948)	1:125:A:LEU:HB2	1:126:A:PHE:HE2	4	0.1
(1,1936)	1:129:A:TYR:HD1	1:130:A:HIS:H	9	0.1
(1,1936)	1:129:A:TYR:HD2	1:130:A:HIS:H	9	0.1
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD1	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD2	1	0.1
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD1	1	0.1
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD2	1	0.1
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD1	1	0.1
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD2	1	0.1
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD1	18	0.1
(1,1900)	1:50:A:ILE:HG21	1:143:A:TYR:HD2	18	0.1
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD1	18	0.1
(1,1900)	1:50:A:ILE:HG22	1:143:A:TYR:HD2	18	0.1
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD1	18	0.1
(1,1900)	1:50:A:ILE:HG23	1:143:A:TYR:HD2	18	0.1
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD1	13	0.1
(1,1891)	1:53:A:LEU:HD11	1:55:A:TYR:HD2	13	0.1
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD1	13	0.1
(1,1891)	1:53:A:LEU:HD12	1:55:A:TYR:HD2	13	0.1
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD1	13	0.1
(1,1891)	1:53:A:LEU:HD13	1:55:A:TYR:HD2	13	0.1
(1,1791)	1:44:A:ILE:HD11	1:130:A:HIS:HD2	14	0.1
(1,1791)	1:44:A:ILE:HD12	1:130:A:HIS:HD2	14	0.1
(1,1791)	1:44:A:ILE:HD13	1:130:A:HIS:HD2	14	0.1
(1,1770)	1:141:A:LEU:HA	1:141:A:LEU:HG	20	0.1
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE1	10	0.1
(1,1736)	1:53:A:LEU:HA	1:88:A:TYR:HE2	10	0.1
(1,1704)	1:4:A:ILE:HD11	1:6:A:VAL:H	9	0.1
(1,1704)	1:4:A:ILE:HD12	1:6:A:VAL:H	9	0.1
(1,1704)	1:4:A:ILE:HD13	1:6:A:VAL:H	9	0.1
(1,1629)	1:10:A:LEU:HA	1:16:A:ASN:HB3	12	0.1
(1,1620)	1:93:A:LEU:HD11	1:94:A:GLN:HA	6	0.1
(1,1620)	1:93:A:LEU:HD12	1:94:A:GLN:HA	6	0.1
(1,1620)	1:93:A:LEU:HD13	1:94:A:GLN:HA	6	0.1
(1,1575)	1:146:A:ARG:HA	1:147:A:GLU:HA	15	0.1
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD21	10	0.1
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD22	10	0.1
(1,1526)	1:4:A:ILE:HG21	1:75:A:LEU:HD23	10	0.1
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD21	10	0.1
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD22	10	0.1
(1,1526)	1:4:A:ILE:HG22	1:75:A:LEU:HD23	10	0.1
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD21	10	0.1
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD22	10	0.1
(1,1526)	1:4:A:ILE:HG23	1:75:A:LEU:HD23	10	0.1
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG21	3	0.1
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG22	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG23	3	0.1
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG21	16	0.1
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG22	16	0.1
(1,1518)	1:3:A:HIS:H	1:4:A:ILE:HG23	16	0.1
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE1	9	0.1
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE2	9	0.1
(1,1501)	1:20:A:MET:HB2	1:74:A:MET:HE3	9	0.1
(1,1492)	1:50:A:ILE:HD11	1:87:A:MET:HE1	9	0.1
(1,1492)	1:50:A:ILE:HD11	1:87:A:MET:HE2	9	0.1
(1,1492)	1:50:A:ILE:HD11	1:87:A:MET:HE3	9	0.1
(1,1492)	1:50:A:ILE:HD12	1:87:A:MET:HE1	9	0.1
(1,1492)	1:50:A:ILE:HD12	1:87:A:MET:HE2	9	0.1
(1,1492)	1:50:A:ILE:HD12	1:87:A:MET:HE3	9	0.1
(1,1492)	1:50:A:ILE:HD13	1:87:A:MET:HE1	9	0.1
(1,1492)	1:50:A:ILE:HD13	1:87:A:MET:HE2	9	0.1
(1,1492)	1:50:A:ILE:HD13	1:87:A:MET:HE3	9	0.1
(1,1491)	1:83:A:ASP:HB2	1:87:A:MET:HE1	16	0.1
(1,1491)	1:83:A:ASP:HB2	1:87:A:MET:HE2	16	0.1
(1,1491)	1:83:A:ASP:HB2	1:87:A:MET:HE3	16	0.1
(1,1485)	1:87:A:MET:HE1	1:88:A:TYR:HA	12	0.1
(1,1485)	1:87:A:MET:HE2	1:88:A:TYR:HA	12	0.1
(1,1485)	1:87:A:MET:HE3	1:88:A:TYR:HA	12	0.1
(1,1485)	1:87:A:MET:HE1	1:88:A:TYR:HA	19	0.1
(1,1485)	1:87:A:MET:HE2	1:88:A:TYR:HA	19	0.1
(1,1485)	1:87:A:MET:HE3	1:88:A:TYR:HA	19	0.1
(1,1440)	1:12:A:ARG:HA	1:13:A:GLY:HA3	3	0.1
(1,1432)	1:18:A:LYS:HA	1:21:A:LEU:HG	7	0.1
(1,1432)	1:18:A:LYS:HA	1:21:A:LEU:HG	20	0.1
(1,1384)	1:6:A:VAL:HA	1:68:A:TYR:HD1	9	0.1
(1,1384)	1:6:A:VAL:HA	1:68:A:TYR:HD2	9	0.1
(1,1384)	1:6:A:VAL:HA	1:68:A:TYR:HD1	20	0.1
(1,1384)	1:6:A:VAL:HA	1:68:A:TYR:HD2	20	0.1
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD21	9	0.1
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD22	9	0.1
(1,1356)	1:6:A:VAL:HG11	1:10:A:LEU:HD23	9	0.1
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD21	9	0.1
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD22	9	0.1
(1,1356)	1:6:A:VAL:HG12	1:10:A:LEU:HD23	9	0.1
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD21	9	0.1
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD22	9	0.1
(1,1356)	1:6:A:VAL:HG13	1:10:A:LEU:HD23	9	0.1
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB1	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB2	17	0.1
(1,1332)	1:55:A:TYR:HD1	1:118:A:ALA:HB3	17	0.1
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB1	17	0.1
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB2	17	0.1
(1,1332)	1:55:A:TYR:HD2	1:118:A:ALA:HB3	17	0.1
(1,1331)	1:89:A:GLN:HE21	1:118:A:ALA:HB1	7	0.1
(1,1331)	1:89:A:GLN:HE21	1:118:A:ALA:HB2	7	0.1
(1,1331)	1:89:A:GLN:HE21	1:118:A:ALA:HB3	7	0.1
(1,1327)	1:2:A:ALA:HB1	1:75:A:LEU:H	19	0.1
(1,1327)	1:2:A:ALA:HB2	1:75:A:LEU:H	19	0.1
(1,1327)	1:2:A:ALA:HB3	1:75:A:LEU:H	19	0.1
(1,1313)	1:54:A:LEU:HD21	1:116:A:THR:HA	12	0.1
(1,1313)	1:54:A:LEU:HD22	1:116:A:THR:HA	12	0.1
(1,1313)	1:54:A:LEU:HD23	1:116:A:THR:HA	12	0.1
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG21	7	0.1
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG22	7	0.1
(1,1302)	1:17:A:HIS:HA	1:19:A:VAL:HG23	7	0.1
(1,1283)	1:2:A:ALA:HB1	1:4:A:ILE:HA	13	0.1
(1,1283)	1:2:A:ALA:HB2	1:4:A:ILE:HA	13	0.1
(1,1283)	1:2:A:ALA:HB3	1:4:A:ILE:HA	13	0.1
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	4	0.1
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	4	0.1
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	4	0.1
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG11	18	0.1
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG12	18	0.1
(1,1276)	1:67:A:ILE:HA	1:110:A:VAL:HG13	18	0.1
(1,1269)	1:9:A:THR:HG21	1:16:A:ASN:H	8	0.1
(1,1269)	1:9:A:THR:HG22	1:16:A:ASN:H	8	0.1
(1,1269)	1:9:A:THR:HG23	1:16:A:ASN:H	8	0.1
(1,1269)	1:9:A:THR:HG21	1:16:A:ASN:H	19	0.1
(1,1269)	1:9:A:THR:HG22	1:16:A:ASN:H	19	0.1
(1,1269)	1:9:A:THR:HG23	1:16:A:ASN:H	19	0.1
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG11	17	0.1
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG12	17	0.1
(1,1258)	1:18:A:LYS:HD2	1:19:A:VAL:HG13	17	0.1
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG21	10	0.1
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG22	10	0.1
(1,1257)	1:110:A:VAL:HA	1:110:A:VAL:HG23	10	0.1
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB3	3	0.1
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB3	3	0.1
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB3	3	0.1
(1,1242)	1:95:A:VAL:HG21	1:112:A:CYS:HB2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:95:A:VAL:HG22	1:112:A:CYS:HB2	3	0.1
(1,1242)	1:95:A:VAL:HG23	1:112:A:CYS:HB2	3	0.1
(1,1236)	1:37:A:VAL:H	1:95:A:VAL:HG21	8	0.1
(1,1236)	1:37:A:VAL:H	1:95:A:VAL:HG22	8	0.1
(1,1236)	1:37:A:VAL:H	1:95:A:VAL:HG23	8	0.1
(1,1180)	1:119:A:THR:HG21	1:120:A:TYR:HA	1	0.1
(1,1180)	1:119:A:THR:HG22	1:120:A:TYR:HA	1	0.1
(1,1180)	1:119:A:THR:HG23	1:120:A:TYR:HA	1	0.1
(1,1180)	1:119:A:THR:HG21	1:120:A:TYR:HA	3	0.1
(1,1180)	1:119:A:THR:HG22	1:120:A:TYR:HA	3	0.1
(1,1180)	1:119:A:THR:HG23	1:120:A:TYR:HA	3	0.1
(1,1150)	1:97:A:VAL:HG21	1:108:A:ASP:HA	4	0.1
(1,1150)	1:97:A:VAL:HG22	1:108:A:ASP:HA	4	0.1
(1,1150)	1:97:A:VAL:HG23	1:108:A:ASP:HA	4	0.1
(1,1132)	1:91:A:THR:H	1:114:A:VAL:HG21	11	0.1
(1,1132)	1:91:A:THR:H	1:114:A:VAL:HG22	11	0.1
(1,1132)	1:91:A:THR:H	1:114:A:VAL:HG23	11	0.1
(1,1117)	1:21:A:LEU:H	1:21:A:LEU:HD21	7	0.1
(1,1117)	1:21:A:LEU:H	1:21:A:LEU:HD22	7	0.1
(1,1117)	1:21:A:LEU:H	1:21:A:LEU:HD23	7	0.1
(1,1085)	1:89:A:GLN:H	1:116:A:THR:HG21	3	0.1
(1,1085)	1:89:A:GLN:H	1:116:A:THR:HG22	3	0.1
(1,1085)	1:89:A:GLN:H	1:116:A:THR:HG23	3	0.1
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG11	6	0.1
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG12	6	0.1
(1,1063)	1:53:A:LEU:HD21	1:63:A:VAL:HG13	6	0.1
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG11	6	0.1
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG12	6	0.1
(1,1063)	1:53:A:LEU:HD22	1:63:A:VAL:HG13	6	0.1
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG11	6	0.1
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG12	6	0.1
(1,1063)	1:53:A:LEU:HD23	1:63:A:VAL:HG13	6	0.1
(1,1025)	1:39:A:SER:H	1:57:A:PRO:HA	4	0.1
(1,1015)	1:28:A:ALA:HB1	1:74:A:MET:HB2	9	0.1
(1,1015)	1:28:A:ALA:HB2	1:74:A:MET:HB2	9	0.1
(1,1015)	1:28:A:ALA:HB3	1:74:A:MET:HB2	9	0.1
(1,1015)	1:28:A:ALA:HB1	1:74:A:MET:HB2	12	0.1
(1,1015)	1:28:A:ALA:HB2	1:74:A:MET:HB2	12	0.1
(1,1015)	1:28:A:ALA:HB3	1:74:A:MET:HB2	12	0.1
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD1	4	0.1
(1,977)	1:54:A:LEU:HD21	1:120:A:TYR:HD2	4	0.1
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD1	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:54:A:LEU:HD22	1:120:A:TYR:HD2	4	0.1
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD1	4	0.1
(1,977)	1:54:A:LEU:HD23	1:120:A:TYR:HD2	4	0.1
(1,937)	1:37:A:VAL:HG11	1:94:A:GLN:HE22	17	0.1
(1,937)	1:37:A:VAL:HG12	1:94:A:GLN:HE22	17	0.1
(1,937)	1:37:A:VAL:HG13	1:94:A:GLN:HE22	17	0.1
(1,937)	1:37:A:VAL:HG21	1:94:A:GLN:HE22	17	0.1
(1,937)	1:37:A:VAL:HG22	1:94:A:GLN:HE22	17	0.1
(1,937)	1:37:A:VAL:HG23	1:94:A:GLN:HE22	17	0.1
(1,916)	1:36:A:THR:HG21	1:63:A:VAL:H	16	0.1
(1,916)	1:36:A:THR:HG22	1:63:A:VAL:H	16	0.1
(1,916)	1:36:A:THR:HG23	1:63:A:VAL:H	16	0.1
(1,914)	1:93:A:LEU:HD21	1:95:A:VAL:HG11	9	0.1
(1,914)	1:93:A:LEU:HD21	1:95:A:VAL:HG12	9	0.1
(1,914)	1:93:A:LEU:HD21	1:95:A:VAL:HG13	9	0.1
(1,914)	1:93:A:LEU:HD22	1:95:A:VAL:HG11	9	0.1
(1,914)	1:93:A:LEU:HD22	1:95:A:VAL:HG12	9	0.1
(1,914)	1:93:A:LEU:HD22	1:95:A:VAL:HG13	9	0.1
(1,914)	1:93:A:LEU:HD23	1:95:A:VAL:HG11	9	0.1
(1,914)	1:93:A:LEU:HD23	1:95:A:VAL:HG12	9	0.1
(1,914)	1:93:A:LEU:HD23	1:95:A:VAL:HG13	9	0.1
(1,889)	1:39:A:SER:H	1:39:A:SER:HB3	17	0.1
(1,880)	1:27:A:LEU:HD21	1:71:A:ASP:HB2	8	0.1
(1,880)	1:27:A:LEU:HD22	1:71:A:ASP:HB2	8	0.1
(1,880)	1:27:A:LEU:HD23	1:71:A:ASP:HB2	8	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD21	3	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD22	3	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD23	3	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD21	6	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD22	6	0.1
(1,847)	1:75:A:LEU:H	1:75:A:LEU:HD23	6	0.1
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD11	8	0.1
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD12	8	0.1
(1,841)	1:52:A:TRP:HB3	1:54:A:LEU:HD13	8	0.1
(1,837)	1:53:A:LEU:HA	1:54:A:LEU:HD11	12	0.1
(1,837)	1:53:A:LEU:HA	1:54:A:LEU:HD12	12	0.1
(1,837)	1:53:A:LEU:HA	1:54:A:LEU:HD13	12	0.1
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG21	19	0.1
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG22	19	0.1
(1,821)	1:93:A:LEU:HG	1:114:A:VAL:HG23	19	0.1
(1,819)	1:93:A:LEU:HG	1:114:A:VAL:HB	14	0.1
(1,819)	1:93:A:LEU:HG	1:114:A:VAL:HB	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,791)	1:93:A:LEU:HD11	1:94:A:GLN:H	17	0.1
(1,791)	1:93:A:LEU:HD12	1:94:A:GLN:H	17	0.1
(1,791)	1:93:A:LEU:HD13	1:94:A:GLN:H	17	0.1
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD11	5	0.1
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD12	5	0.1
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD13	5	0.1
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD11	9	0.1
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD12	9	0.1
(1,790)	1:93:A:LEU:H	1:93:A:LEU:HD13	9	0.1
(1,762)	1:53:A:LEU:HD11	1:55:A:TYR:HA	20	0.1
(1,762)	1:53:A:LEU:HD12	1:55:A:TYR:HA	20	0.1
(1,762)	1:53:A:LEU:HD13	1:55:A:TYR:HA	20	0.1
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD21	4	0.1
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD22	4	0.1
(1,761)	1:42:A:LEU:HD21	1:53:A:LEU:HD23	4	0.1
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD21	4	0.1
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD22	4	0.1
(1,761)	1:42:A:LEU:HD22	1:53:A:LEU:HD23	4	0.1
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD21	4	0.1
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD22	4	0.1
(1,761)	1:42:A:LEU:HD23	1:53:A:LEU:HD23	4	0.1
(1,746)	1:42:A:LEU:HD21	1:52:A:TRP:H	9	0.1
(1,746)	1:42:A:LEU:HD22	1:52:A:TRP:H	9	0.1
(1,746)	1:42:A:LEU:HD23	1:52:A:TRP:H	9	0.1
(1,687)	1:141:A:LEU:HD11	1:142:A:ARG:HA	9	0.1
(1,687)	1:141:A:LEU:HD12	1:142:A:ARG:HA	9	0.1
(1,687)	1:141:A:LEU:HD13	1:142:A:ARG:HA	9	0.1
(1,680)	1:54:A:LEU:H	1:54:A:LEU:HG	2	0.1
(1,680)	1:54:A:LEU:H	1:54:A:LEU:HG	19	0.1
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG21	5	0.1
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG22	5	0.1
(1,652)	1:53:A:LEU:HD21	1:63:A:VAL:HG23	5	0.1
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG21	5	0.1
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG22	5	0.1
(1,652)	1:53:A:LEU:HD22	1:63:A:VAL:HG23	5	0.1
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG21	5	0.1
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG22	5	0.1
(1,652)	1:53:A:LEU:HD23	1:63:A:VAL:HG23	5	0.1
(1,552)	1:82:A:GLU:HB2	1:88:A:TYR:H	6	0.1
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD11	19	0.1
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD12	19	0.1
(1,530)	1:18:A:LYS:HD2	1:21:A:LEU:HD13	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:96:A:GLN:HB3	1:96:A:GLN:HE22	9	0.1
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD21	8	0.1
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD22	8	0.1
(1,484)	1:64:A:THR:HB	1:98:A:LEU:HD23	8	0.1
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	4	0.1
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	4	0.1
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	4	0.1
(1,478)	1:10:A:LEU:HD21	1:19:A:VAL:HB	18	0.1
(1,478)	1:10:A:LEU:HD22	1:19:A:VAL:HB	18	0.1
(1,478)	1:10:A:LEU:HD23	1:19:A:VAL:HB	18	0.1
(1,407)	1:96:A:GLN:HG3	1:98:A:LEU:H	13	0.1
(1,389)	1:37:A:VAL:HG11	1:96:A:GLN:HG2	15	0.1
(1,389)	1:37:A:VAL:HG12	1:96:A:GLN:HG2	15	0.1
(1,389)	1:37:A:VAL:HG13	1:96:A:GLN:HG2	15	0.1
(1,389)	1:37:A:VAL:HG21	1:96:A:GLN:HG2	15	0.1
(1,389)	1:37:A:VAL:HG22	1:96:A:GLN:HG2	15	0.1
(1,389)	1:37:A:VAL:HG23	1:96:A:GLN:HG2	15	0.1
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG11	18	0.1
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG12	18	0.1
(1,332)	1:95:A:VAL:HB	1:110:A:VAL:HG13	18	0.1
(1,231)	1:147:A:GLU:HB2	1:148:A:ASN:HB3	3	0.1
(1,212)	1:44:A:ILE:HG21	1:141:A:LEU:HB3	5	0.1
(1,212)	1:44:A:ILE:HG22	1:141:A:LEU:HB3	5	0.1
(1,212)	1:44:A:ILE:HG23	1:141:A:LEU:HB3	5	0.1
(1,212)	1:44:A:ILE:HG21	1:141:A:LEU:HB3	16	0.1
(1,212)	1:44:A:ILE:HG22	1:141:A:LEU:HB3	16	0.1
(1,212)	1:44:A:ILE:HG23	1:141:A:LEU:HB3	16	0.1
(1,194)	1:41:A:PRO:HB3	1:54:A:LEU:HB3	12	0.1
(1,165)	1:78:A:LEU:HB3	1:79:A:ASP:HB3	17	0.1
(1,109)	1:54:A:LEU:HD11	1:56:A:LEU:HB3	10	0.1
(1,109)	1:54:A:LEU:HD12	1:56:A:LEU:HB3	10	0.1
(1,109)	1:54:A:LEU:HD13	1:56:A:LEU:HB3	10	0.1
(1,95)	1:146:A:ARG:H	1:146:A:ARG:HD2	13	0.1
(1,95)	1:146:A:ARG:H	1:146:A:ARG:HD3	13	0.1
(1,60)	1:27:A:LEU:HB2	1:71:A:ASP:HA	5	0.1
(1,29)	1:59:A:LYS:HB2	1:60:A:GLY:HA2	1	0.1
(1,29)	1:59:A:LYS:HB3	1:60:A:GLY:HA2	1	0.1
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD21	15	0.1
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD22	15	0.1
(1,22)	1:34:A:GLY:HA3	1:98:A:LEU:HD23	15	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found