Full wwPDB NMR Structure Validation Report (i)

Mar 8, 2026 – 03:29 PM UTC

PDB ID	:	2MTB / pdb_00002mtb
BMRB ID	:	25155
Title	:	Solution structure of apo_FldB
Authors	:	Jin, C.; Fu, W.; Ye, Q.
Deposited on	:	2014-08-15

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

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

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

The following versions of software and data (see references (1)) were used in the production of this report:

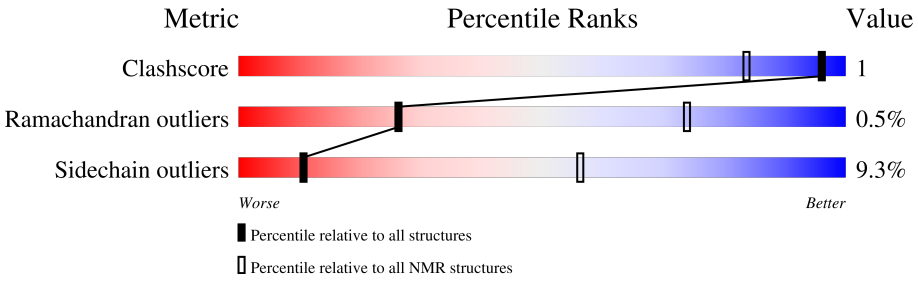
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 81%.

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	173	69% 6% 25%

2 Ensemble composition and analysis

This entry contains 20 models. Model 12 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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:1-A:7, A:17-A:54, A:61-A:87, A:98-A:121, A:130-A:144, A:153-A:170 (129)	0.45	12

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 10 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2704 atoms, of which 1316 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Flavodoxin-2.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	173	2704	893	1316	212	275	8	0

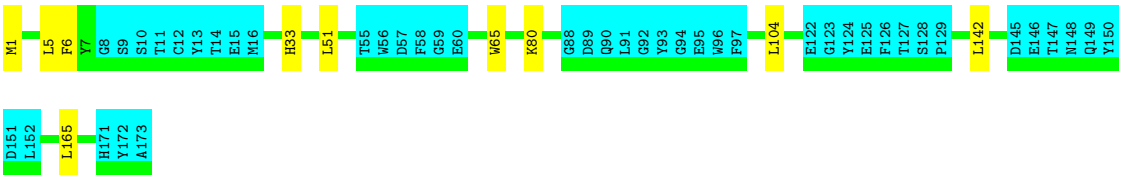
4 Residue-property plots

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: Flavodoxin-2

Chain A:



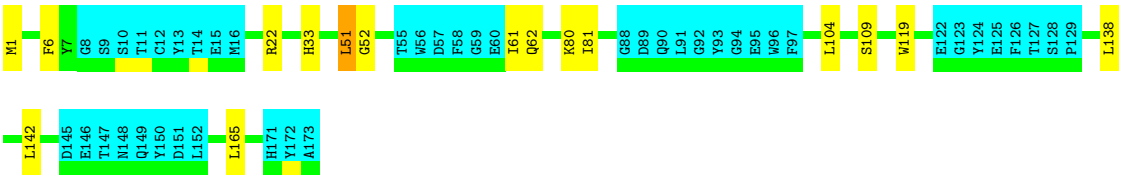
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Flavodoxin-2

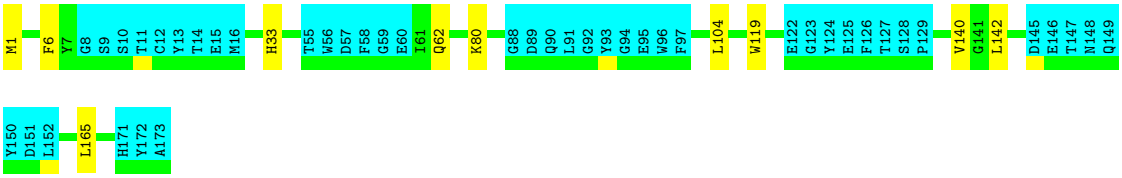
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: Flavodoxin-2

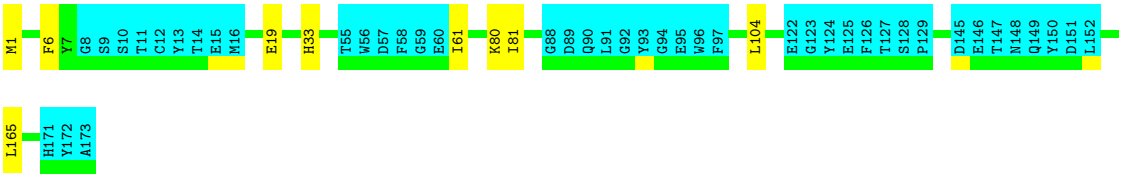
Chain A:



4.2.3 Score per residue for model 3

• Molecule 1: Flavodoxin-2

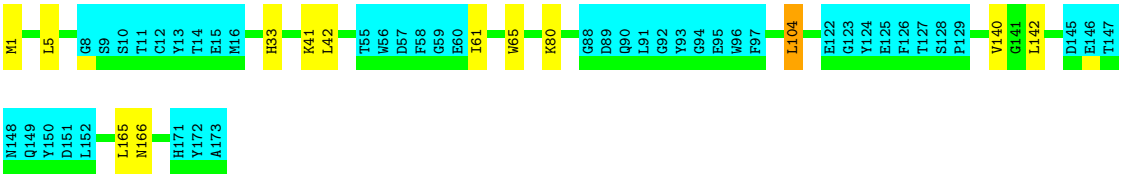
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Flavodoxin-2

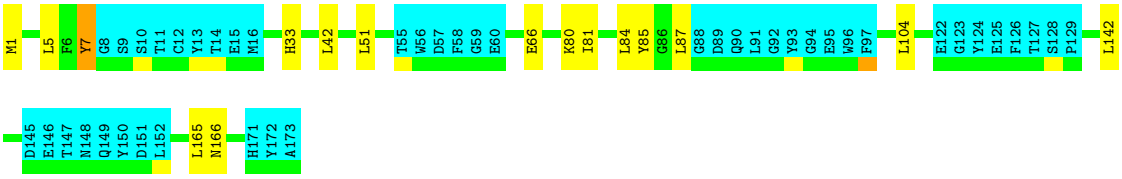
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Flavodoxin-2

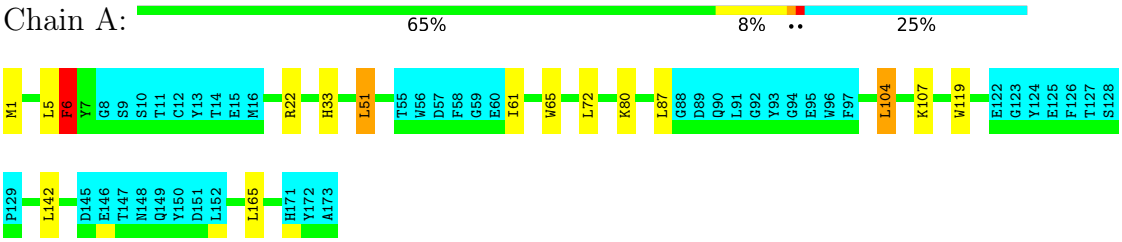
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Flavodoxin-2

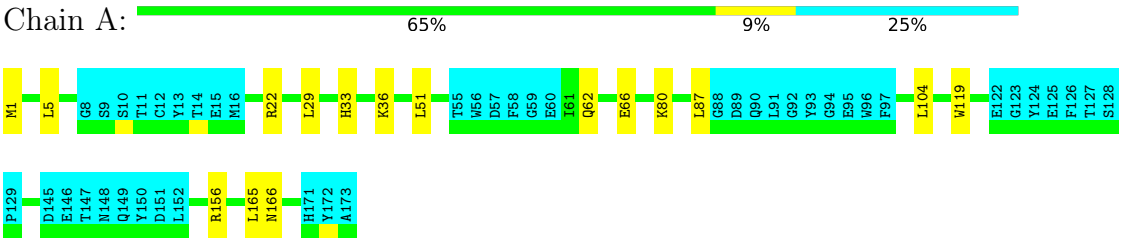
Chain A:



4.2.7 Score per residue for model 7

- Molecule 1: Flavodoxin-2

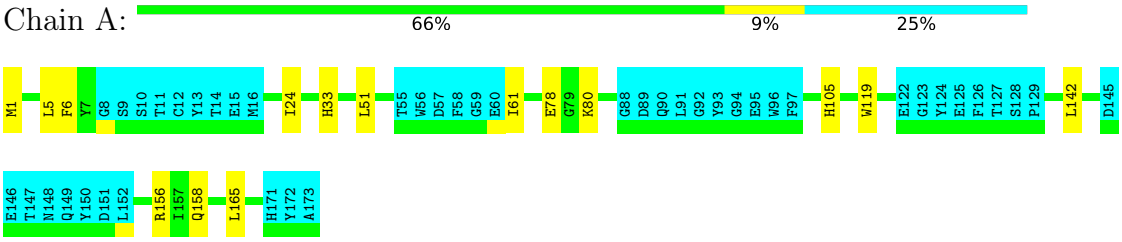
Chain A:



4.2.8 Score per residue for model 8

- Molecule 1: Flavodoxin-2

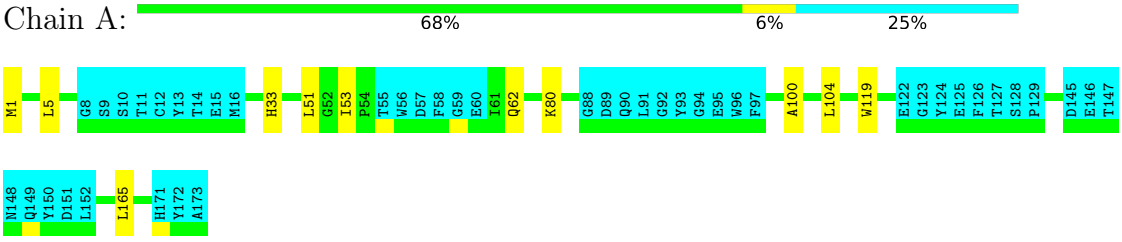
Chain A:



4.2.9 Score per residue for model 9

- Molecule 1: Flavodoxin-2

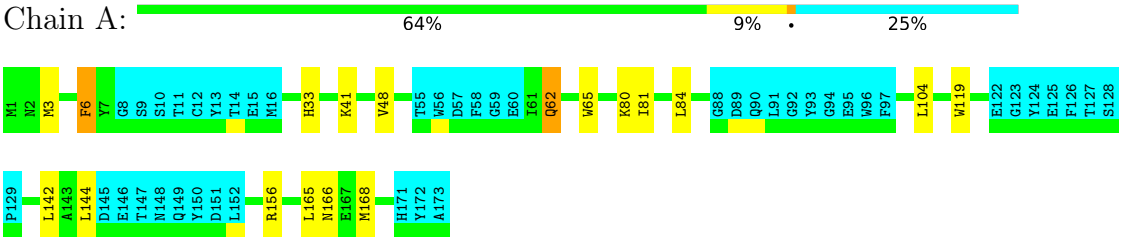
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Flavodoxin-2

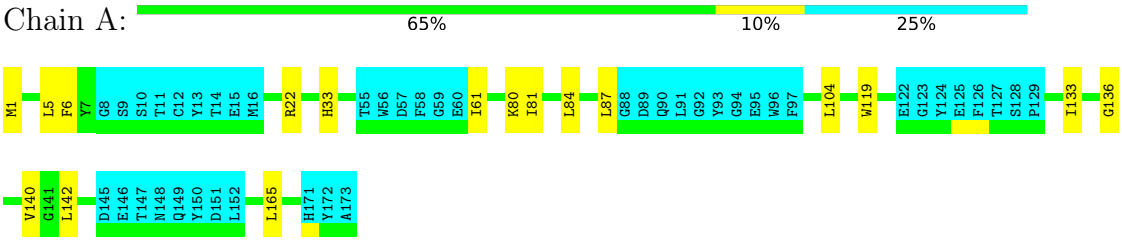
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Flavodoxin-2

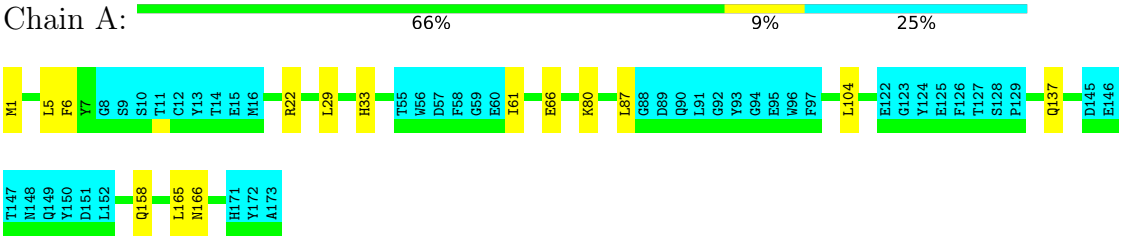
Chain A:



4.2.12 Score per residue for model 12 (medoid)

• Molecule 1: Flavodoxin-2

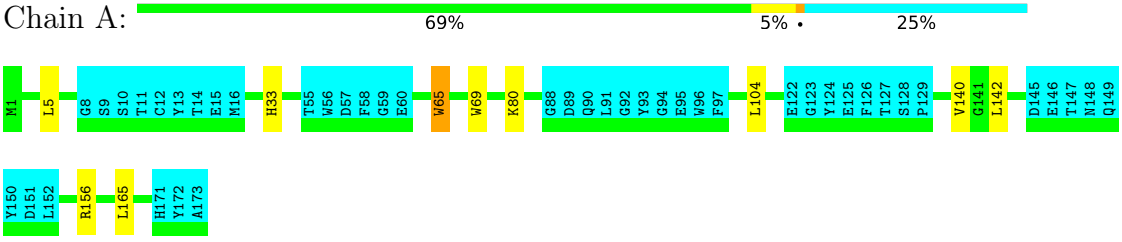
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Flavodoxin-2

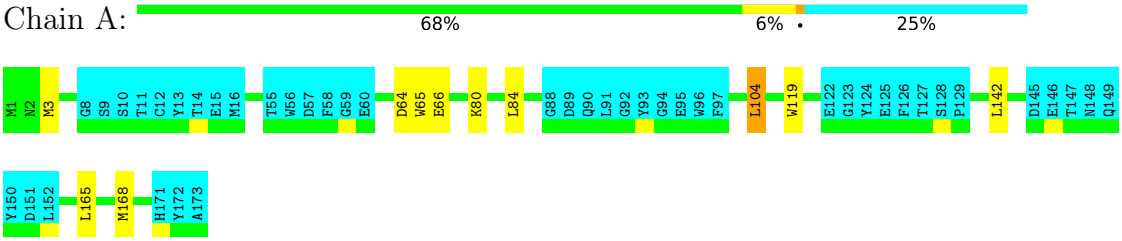
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Flavodoxin-2

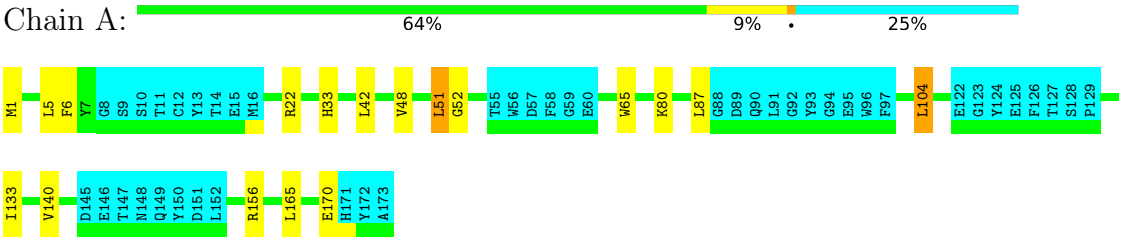
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Flavodoxin-2

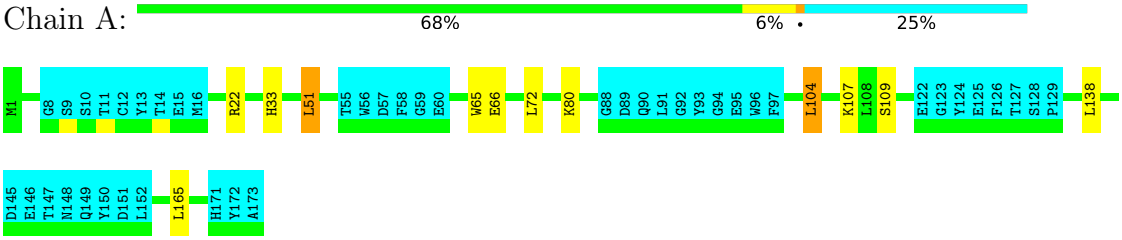
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Flavodoxin-2

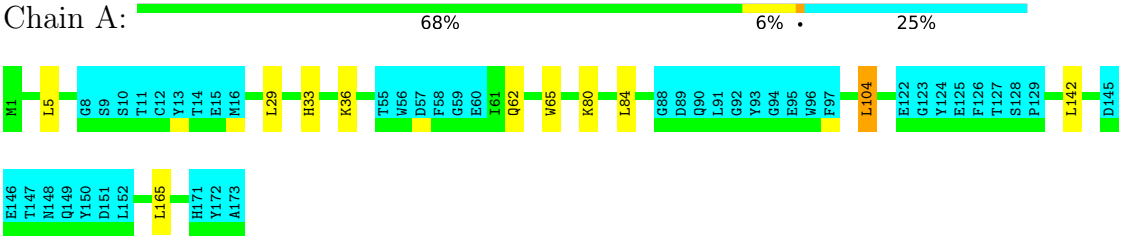
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Flavodoxin-2

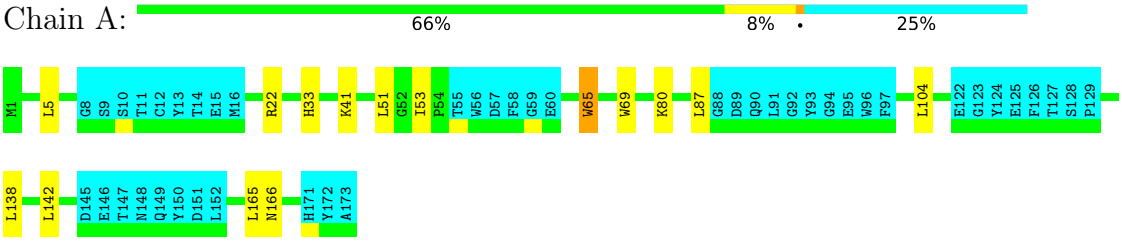
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Flavodoxin-2

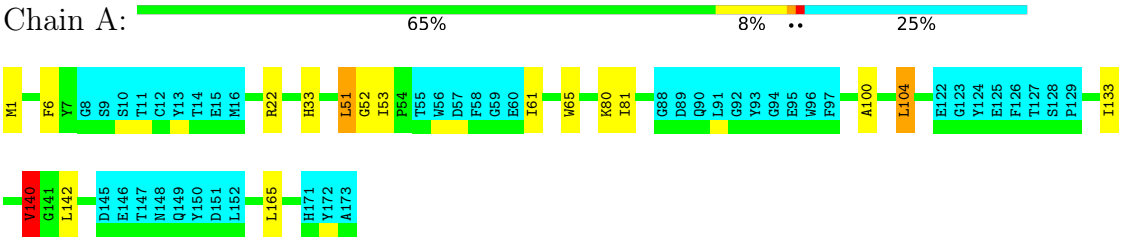
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Flavodoxin-2

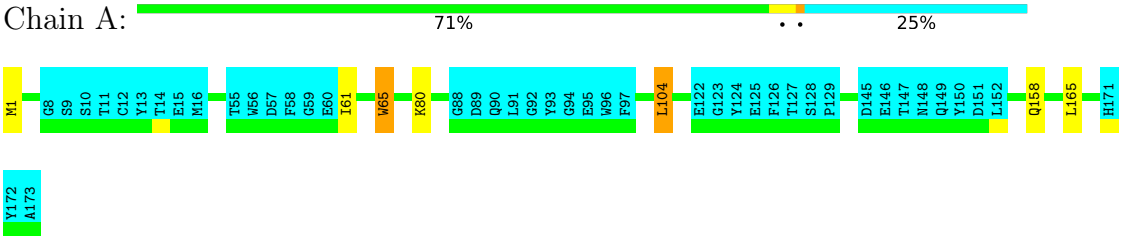
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Flavodoxin-2

Chain A:



5 Refinement protocol and experimental data overview

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

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

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

Software name	Classification	Version
CYANA	structure solution	
Amber	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	1735
Number of shifts mapped to atoms	1735
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	81%

6 Model quality

6.1 Standard geometry

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	0.65±0.01	0±0/1047 (0.0± 0.0%)	1.27±0.02	1±0/1422 (0.1± 0.0%)
All	All	0.65	0/20940 (0.0%)	1.27	20/28440 (0.1%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.2±0.5
All	All	0	5

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	33	HIS	CB-CG-CD2	-5.92	123.50	131.20	5	18
1	A	6	PHE	CA-CB-CG	5.49	119.29	113.80	6	2

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	156	ARG	Sidechain	2
1	A	7	TYR	Sidechain	1
1	A	85	TYR	Sidechain	1
1	A	6	PHE	Sidechain	1

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1025	1027	1027	2±2
All	All	20500	20540	20540	35

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 1.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:133:ILE:HG23	1:A:140:VAL:HG12	0.69	1.62	11	3
1:A:65:TRP:CH2	1:A:104:LEU:HD23	0.69	2.23	14	8
1:A:6:PHE:CZ	1:A:51:LEU:HD23	0.65	2.27	19	3
1:A:6:PHE:CE1	1:A:51:LEU:HD23	0.54	2.38	19	2
1:A:65:TRP:CZ3	1:A:69:TRP:CE3	0.51	2.99	18	2
1:A:72:LEU:CD1	1:A:104:LEU:HD21	0.50	2.37	6	2
1:A:65:TRP:CZ3	1:A:104:LEU:HD23	0.49	2.41	20	1
1:A:51:LEU:HD22	1:A:52:GLY:N	0.48	2.24	19	3
1:A:6:PHE:CZ	1:A:51:LEU:HD11	0.47	2.44	6	1
1:A:62:GLN:H	1:A:62:GLN:CD	0.47	2.18	10	1
1:A:65:TRP:CZ2	1:A:104:LEU:HD23	0.46	2.46	16	1
1:A:53:ILE:HD13	1:A:100:ALA:HB1	0.45	1.88	19	1
1:A:53:ILE:HD13	1:A:100:ALA:CB	0.43	2.44	9	1
1:A:65:TRP:CZ3	1:A:69:TRP:CZ3	0.42	3.07	13	1
1:A:48:VAL:HG21	1:A:168:MET:SD	0.41	2.56	10	1
1:A:51:LEU:CD2	1:A:104:LEU:HD12	0.41	2.45	16	1
1:A:3:MET:HE2	1:A:168:MET:SD	0.41	2.55	14	1
1:A:24:ILE:HD13	1:A:158:GLN:HA	0.40	1.94	8	1
1:A:51:LEU:HD21	1:A:65:TRP:CZ2	0.40	2.52	19	1

6.3 Torsion angles

6.3.1 Protein backbone

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	128/173 (74%)	120±2 (94±1%)	8±2 (6±1%)	1±1 (1±1%)	26 74
All	All	2560/3460 (74%)	2397 (94%)	150 (6%)	13 (1%)	26 74

All 3 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	61	ILE	8
1	A	140	VAL	4
1	A	136	GLY	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	111/148 (75%)	101±3 (91±2%)	10±3 (9±2%)	11 56
All	All	2220/2960 (75%)	2014 (91%)	206 (9%)	11 56

All 38 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	80	LYS	20
1	A	165	LEU	20
1	A	104	LEU	19
1	A	1	MET	14
1	A	142	LEU	13
1	A	5	LEU	12
1	A	51	LEU	10
1	A	22	ARG	9
1	A	119	TRP	9
1	A	87	LEU	7
1	A	62	GLN	6
1	A	81	ILE	6
1	A	6	PHE	6
1	A	166	ASN	6

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Mol	Chain	Res	Type	Models (Total)
1	A	66	GLU	5
1	A	84	LEU	5
1	A	65	TRP	4
1	A	138	LEU	3
1	A	41	LYS	3
1	A	42	LEU	3
1	A	29	LEU	3
1	A	156	ARG	3
1	A	109	SER	2
1	A	107	LYS	2
1	A	36	LYS	2
1	A	158	GLN	2
1	A	19	GLU	1
1	A	78	GLU	1
1	A	105	HIS	1
1	A	3	MET	1
1	A	144	LEU	1
1	A	137	GLN	1
1	A	64	ASP	1
1	A	48	VAL	1
1	A	170	GLU	1
1	A	53	ILE	1
1	A	61	ILE	1
1	A	140	VAL	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 (i)

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 81% for the well-defined parts and 75% 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	1735
Number of shifts mapped to atoms	1735
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	22

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	162	-0.29 ± 0.21	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	145	-0.04 ± 0.10	None needed (< 0.5 ppm)
$^{13}C'$	155	-0.12 ± 0.15	None needed (< 0.5 ppm)
^{15}N	146	0.32 ± 0.40	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 81%, i.e. 1449 atoms were assigned a chemical shift out of a possible 1788. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	626/645 (97%)	258/263 (98%)	252/258 (98%)	116/124 (94%)
Sidechain	823/1015 (81%)	547/665 (82%)	265/326 (81%)	11/24 (46%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	0/128 (0%)	0/63 (0%)	0/59 (0%)	0/6 (0%)
Overall	1449/1788 (81%)	805/991 (81%)	517/643 (80%)	127/154 (82%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 75%, i.e. 1735 atoms were assigned a chemical shift out of a possible 2327. 0 out of 30 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	789/869 (91%)	326/356 (92%)	317/346 (92%)	146/167 (87%)
Sidechain	946/1224 (77%)	626/797 (79%)	306/400 (76%)	14/27 (52%)
Aromatic	0/234 (0%)	0/114 (0%)	0/111 (0%)	0/9 (0%)
Overall	1735/2327 (75%)	952/1267 (75%)	623/857 (73%)	160/203 (79%)

7.1.4 Statistically unusual chemical shifts (i)

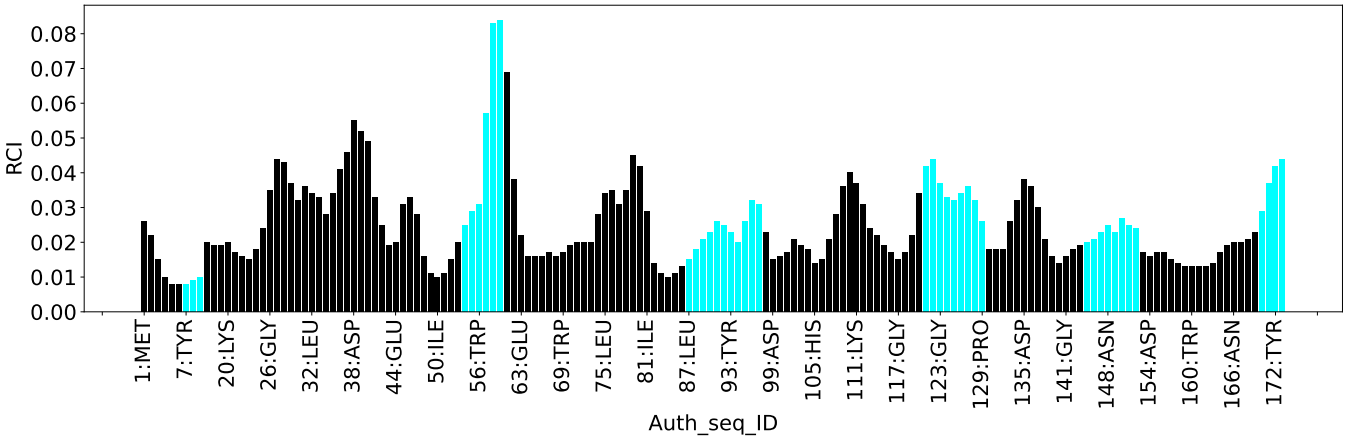
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	22	ARG	NE	112.60	76.53 – 92.65	17.4
1	A	130	LYS	CD	41.98	23.50 – 34.42	11.9
1	A	107	LYS	CD	40.78	23.50 – 34.42	10.8
1	A	142	LEU	HB3	-1.64	-0.26 – 3.31	-8.9
1	A	114	LYS	HD3	-0.14	0.54 – 2.65	-8.2
1	A	95	GLU	HB2	0.62	1.00 – 3.05	-6.8
1	A	130	LYS	HD2	3.01	0.58 – 2.64	6.8
1	A	98	LEU	HG	-0.61	-0.13 – 3.16	-6.5
1	A	95	GLU	HB3	0.66	0.95 – 3.05	-6.4
1	A	121	THR	HG21	-0.19	0.08 – 2.19	-6.3
1	A	121	THR	HG22	-0.19	0.08 – 2.19	-6.3
1	A	121	THR	HG23	-0.19	0.08 – 2.19	-6.3
1	A	35	LEU	HD11	-0.94	-0.61 – 2.12	-6.2
1	A	35	LEU	HD12	-0.94	-0.61 – 2.12	-6.2
1	A	35	LEU	HD13	-0.94	-0.61 – 2.12	-6.2
1	A	142	LEU	HD11	-0.89	-0.61 – 2.12	-6.0
1	A	142	LEU	HD12	-0.89	-0.61 – 2.12	-6.0
1	A	142	LEU	HD13	-0.89	-0.61 – 2.12	-6.0
1	A	148	ASN	HD22	10.00	4.69 – 9.61	5.8
1	A	148	ASN	ND2	124.50	101.55 – 123.95	5.2
1	A	90	GLN	HB3	0.65	0.71 – 3.33	-5.2
1	A	4	GLY	HA2	2.09	2.15 – 5.77	-5.2

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:



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	3831
Intra-residue (|i-j|=0)	1666
Sequential (|i-j|=1)	861
Medium range (|i-j|>1 and |i-j|<5)	459
Long range (|i-j|≥5)	845
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	22.1
Number of long range restraints per residue[1]	4.9

[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)	52.5	0.2
0.2-0.5 (Medium)	59.4	0.5
>0.5 (Large)	160.7	9.18

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)

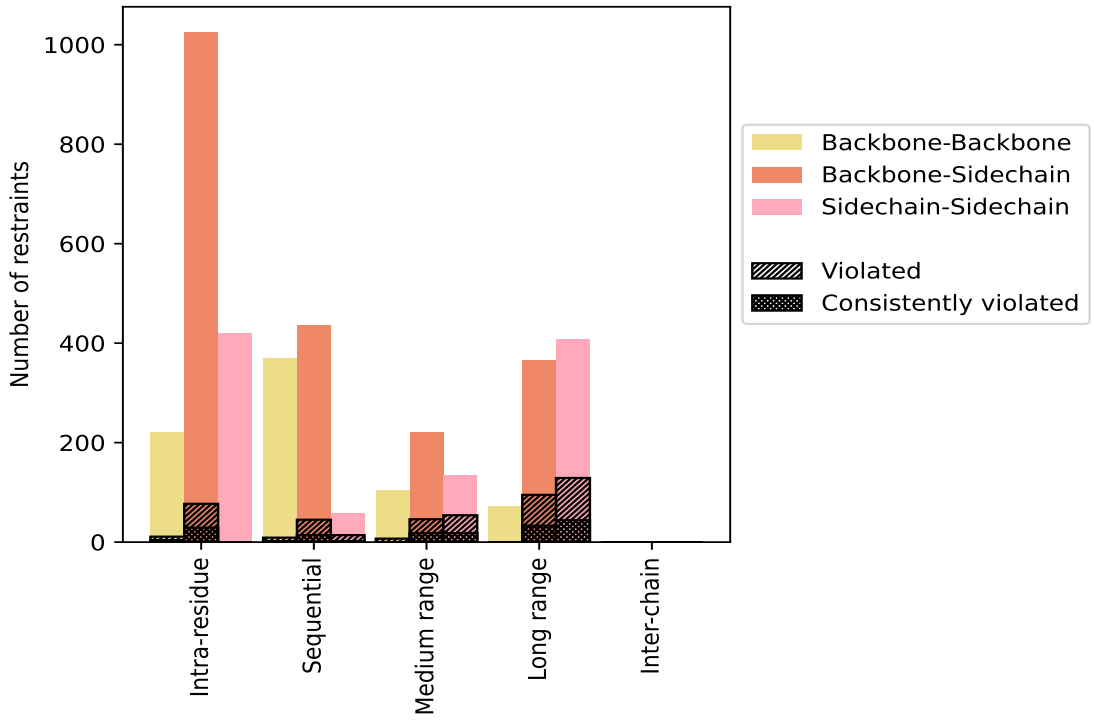
9.1 Summary of distance violations (i)

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)	1666	43.5	88	5.3	2.3	33	2.0	0.9
Backbone-Backbone	221	5.8	11	5.0	0.3	4	1.8	0.1
Backbone-Sidechain	1025	26.8	77	7.5	2.0	29	2.8	0.8
Sidechain-Sidechain	420	11.0	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	861	22.5	68	7.9	1.8	18	2.1	0.5
Backbone-Backbone	369	9.6	9	2.4	0.2	2	0.5	0.1
Backbone-Sidechain	435	11.4	45	10.3	1.2	14	3.2	0.4
Sidechain-Sidechain	57	1.5	14	24.6	0.4	2	3.5	0.1
Medium range (|i-j|>1 & |i-j|<5)	459	12.0	107	23.3	2.8	36	7.8	0.9
Backbone-Backbone	104	2.7	7	6.7	0.2	0	0.0	0.0
Backbone-Sidechain	220	5.7	46	20.9	1.2	18	8.2	0.5
Sidechain-Sidechain	135	3.5	54	40.0	1.4	18	13.3	0.5
Long range (|i-j|≥5)	845	22.1	224	26.5	5.8	77	9.1	2.0
Backbone-Backbone	71	1.9	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	366	9.6	95	26.0	2.5	33	9.0	0.9
Sidechain-Sidechain	408	10.6	129	31.6	3.4	44	10.8	1.1
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3831	100.0	487	12.7	12.7	164	4.3	4.3
Backbone-Backbone	765	20.0	27	3.5	0.7	6	0.8	0.2
Backbone-Sidechain	2046	53.4	263	12.9	6.9	94	4.6	2.5
Sidechain-Sidechain	1020	26.6	197	19.3	5.1	64	6.3	1.7

[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	48	33	74	123	0	278	0.8	3.25	0.63	0.66
2	52	30	64	130	0	276	0.81	3.27	0.64	0.66
3	53	28	66	129	0	276	0.86	4.53	0.71	0.71
4	52	28	60	128	0	268	0.83	3.24	0.61	0.74
5	45	29	69	133	0	276	0.81	4.54	0.66	0.64
6	48	30	61	131	0	270	0.84	3.0	0.62	0.72
7	54	34	68	137	0	293	0.78	3.37	0.64	0.61
8	48	31	62	119	0	260	0.84	3.24	0.63	0.72
9	57	30	69	130	0	286	0.79	3.32	0.64	0.6
10	55	33	65	132	0	285	0.83	3.37	0.66	0.67

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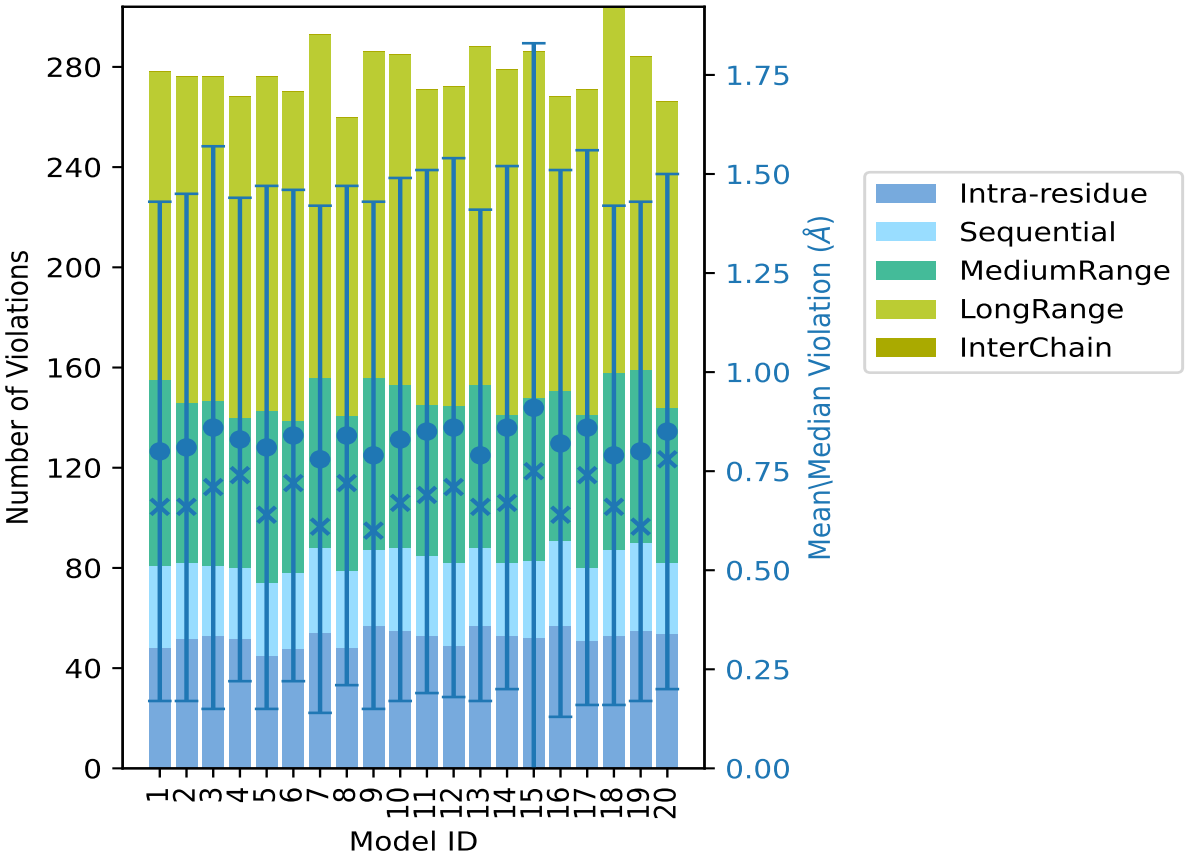
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	53	32	60	126	0	271	0.85	3.37	0.66	0.69
12	49	33	63	127	0	272	0.86	4.32	0.68	0.71
13	57	31	65	135	0	288	0.79	3.14	0.62	0.66
14	53	29	59	138	0	279	0.86	3.1	0.66	0.67
15	52	31	65	138	0	286	0.91	9.18	0.92	0.75
16	57	34	60	117	0	268	0.82	4.6	0.69	0.64
17	51	29	61	130	0	271	0.86	4.65	0.7	0.74
18	53	34	71	146	0	304	0.79	3.31	0.63	0.66
19	55	35	69	125	0	284	0.8	2.98	0.63	0.61
20	54	28	62	122	0	266	0.85	3.3	0.65	0.78

[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

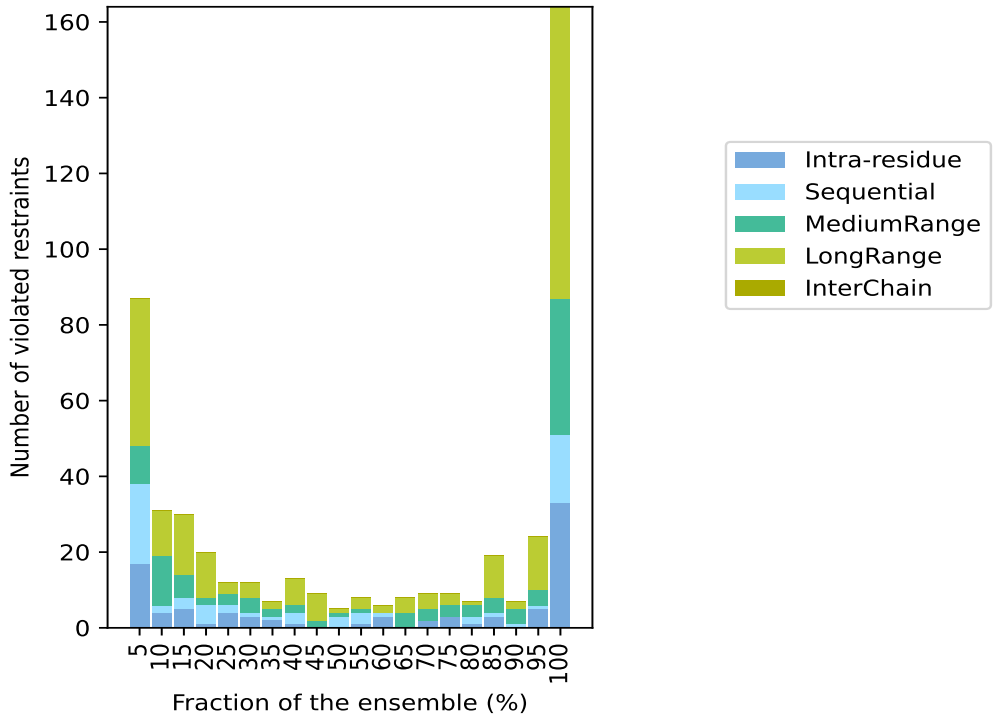
9.3 Distance violation statistics for the ensemble (i)

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, 3344(IR:1578, SQ:793, MR:352, LR:621, 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]	%
17	21	10	39	0	87	1	5.0
4	2	13	12	0	31	2	10.0
5	3	6	16	0	30	3	15.0
1	5	2	12	0	20	4	20.0
4	2	3	3	0	12	5	25.0
3	1	4	4	0	12	6	30.0
2	1	2	2	0	7	7	35.0
1	3	2	7	0	13	8	40.0
0	0	2	7	0	9	9	45.0
0	3	1	1	0	5	10	50.0
1	3	1	3	0	8	11	55.0
3	1	0	2	0	6	12	60.0
0	0	4	4	0	8	13	65.0
2	0	3	4	0	9	14	70.0
3	0	3	3	0	9	15	75.0
1	2	3	1	0	7	16	80.0
3	1	4	11	0	19	17	85.0
0	1	4	2	0	7	18	90.0
5	1	4	14	0	24	19	95.0
33	18	36	77	0	164	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

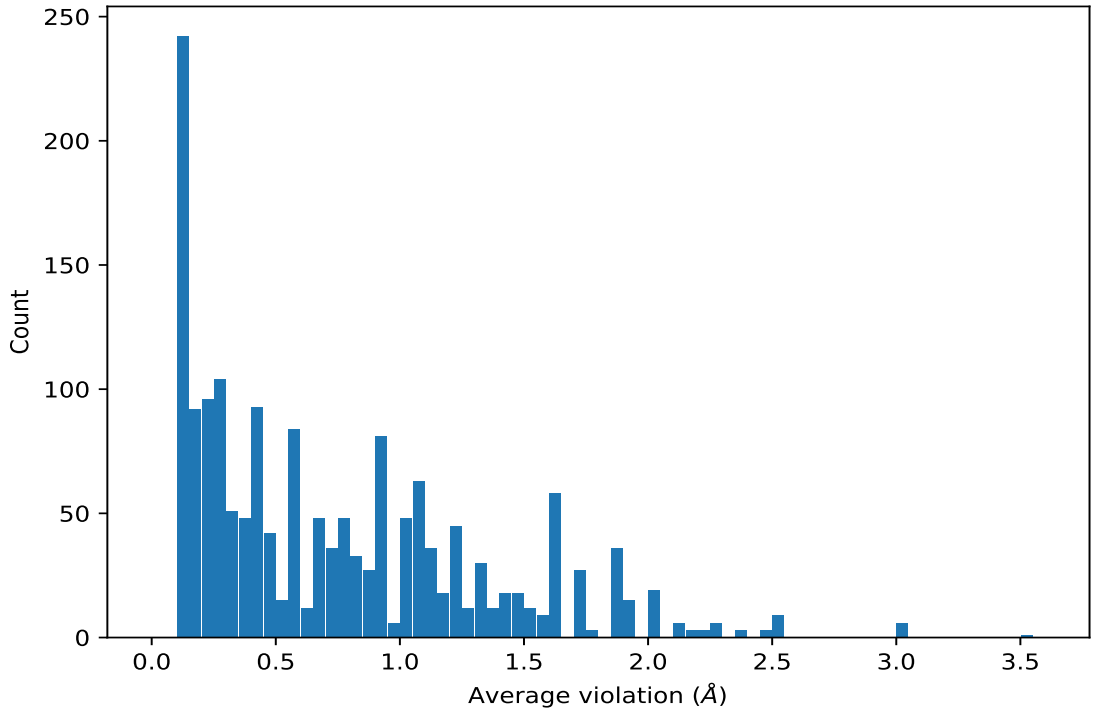
9.3.1 Bar graph : Distance violation statistics for the ensemble



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 (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	20	3.05	0.49	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	20	3.05	0.49	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	20	3.05	0.49	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	20	3.05	0.49	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	20	3.05	0.49	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	20	3.05	0.49	3.24
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	20	2.52	0.65	2.74
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	20	2.52	0.65	2.74
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	20	2.52	0.65	2.74
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	20	2.52	0.65	2.74
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	20	2.52	0.65	2.74
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	20	2.52	0.65	2.74
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	20	2.52	0.65	2.74
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	20	2.52	0.65	2.74
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	20	2.52	0.65	2.74
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	20	2.46	0.36	2.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	20	2.46	0.36	2.58
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	20	2.46	0.36	2.58
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	20	2.38	0.04	2.38
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	20	2.38	0.04	2.38
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	20	2.38	0.04	2.38
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	20	2.25	0.18	2.26
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	20	2.25	0.18	2.26
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	20	2.25	0.18	2.26
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	20	2.25	0.18	2.26
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	20	2.25	0.18	2.26
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	20	2.25	0.18	2.26
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	20	2.15	0.15	2.18
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	20	2.15	0.15	2.18
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	20	2.15	0.15	2.18
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	20	2.14	0.13	2.08
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	20	2.14	0.13	2.08
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	20	2.14	0.13	2.08
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	20	2.14	0.13	2.08
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	20	2.14	0.13	2.08
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	20	2.14	0.13	2.08
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	20	2.05	0.61	1.96
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	20	2.05	0.61	1.96
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	20	2.05	0.61	1.96
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	20	2.05	0.61	1.96
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	20	2.04	0.31	2.13
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	20	2.04	0.31	2.13
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	20	2.04	0.31	2.13
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	20	2.04	0.31	2.13
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	20	2.04	0.31	2.13
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	20	2.04	0.31	2.13
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	20	2.01	0.14	2.04
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	20	2.01	0.14	2.04
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	20	2.01	0.14	2.04
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	20	2.01	0.14	2.04
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	20	2.01	0.14	2.04
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	20	2.01	0.14	2.04
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	20	2.0	0.06	1.98
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	20	2.0	0.06	1.98
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	20	2.0	0.06	1.98
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	20	1.93	0.2	1.92
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	20	1.93	0.2	1.92
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	20	1.93	0.2	1.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	20	1.93	0.2	1.92
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	20	1.93	0.2	1.92
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	20	1.93	0.2	1.92
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	20	1.91	0.24	1.88
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	20	1.91	0.24	1.88
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	20	1.91	0.24	1.88
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	20	1.91	0.06	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	20	1.91	0.06	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	20	1.91	0.06	1.93
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	20	1.9	0.09	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	20	1.9	0.09	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	20	1.9	0.09	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	20	1.9	0.09	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	20	1.9	0.09	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	20	1.9	0.09	1.88
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	20	1.89	0.06	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	20	1.89	0.06	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	20	1.89	0.06	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	20	1.89	0.06	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	20	1.89	0.06	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	20	1.89	0.06	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	20	1.89	0.06	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	20	1.89	0.06	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	20	1.89	0.06	1.9
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	20	1.89	0.12	1.91
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	20	1.89	0.12	1.91
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	20	1.89	0.12	1.91
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	20	1.88	0.31	1.96
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	20	1.88	0.31	1.96
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	20	1.88	0.31	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	20	1.87	0.12	1.9
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	20	1.87	0.12	1.9
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	20	1.87	0.12	1.9
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	20	1.87	0.12	1.9
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	20	1.87	0.12	1.9
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	20	1.87	0.12	1.9
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	20	1.87	0.12	1.9
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	20	1.87	0.12	1.9
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	20	1.87	0.12	1.9
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	20	1.79	0.27	1.87
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	20	1.79	0.27	1.87
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	20	1.79	0.27	1.87

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	20	1.73	0.04	1.74
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	20	1.73	0.04	1.74
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	20	1.73	0.04	1.74
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	20	1.73	0.04	1.74
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	20	1.73	0.04	1.74
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	20	1.73	0.04	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	20	1.72	0.08	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	20	1.72	0.08	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	20	1.72	0.08	1.74
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	20	1.72	0.08	1.74
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	20	1.72	0.08	1.74
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	20	1.72	0.08	1.74
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	20	1.72	0.27	1.8
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	20	1.72	0.27	1.8
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	20	1.72	0.27	1.8
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	20	1.71	0.33	1.8
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	20	1.71	0.33	1.8
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	20	1.71	0.33	1.8
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	20	1.71	0.33	1.8
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	20	1.71	0.33	1.8
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	20	1.71	0.33	1.8
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	20	1.65	0.13	1.65
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	20	1.65	0.13	1.65
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	20	1.65	0.13	1.65
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	20	1.63	0.14	1.6
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	20	1.63	0.14	1.6
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	20	1.63	0.14	1.6
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	20	1.63	0.14	1.6
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	20	1.63	0.14	1.6
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	20	1.63	0.14	1.6
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	20	1.63	0.14	1.61
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	20	1.63	0.14	1.61
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	20	1.63	0.14	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	20	1.63	0.14	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	20	1.63	0.14	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	20	1.63	0.14	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	20	1.62	0.06	1.62
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	20	1.62	0.06	1.62
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	20	1.62	0.06	1.62
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	20	1.62	0.06	1.62
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	20	1.62	0.06	1.62
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	20	1.62	0.06	1.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	20	1.62	0.06	1.62
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	20	1.62	0.06	1.62
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	20	1.62	0.06	1.62
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	20	1.62	0.06	1.62
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	20	1.61	1.04	1.48
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	20	1.61	1.04	1.48
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	20	1.61	1.04	1.48
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	20	1.61	1.04	1.48
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	20	1.56	0.38	1.7
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	20	1.56	0.38	1.7
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	20	1.56	0.38	1.7
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	20	1.55	0.14	1.58
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	20	1.55	0.14	1.58
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	20	1.55	0.14	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	20	1.55	0.14	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	20	1.55	0.14	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	20	1.55	0.14	1.58
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	20	1.53	0.28	1.5
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	20	1.53	0.28	1.5
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	20	1.53	0.28	1.5
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	20	1.53	0.28	1.5
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	20	1.53	0.28	1.5
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	20	1.53	0.28	1.5
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	20	1.53	0.18	1.56
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	20	1.53	0.18	1.56
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	20	1.53	0.18	1.56
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	20	1.53	0.18	1.56
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	20	1.53	0.18	1.56
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	20	1.53	0.18	1.56
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	20	1.49	0.15	1.51
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	20	1.49	0.15	1.51
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	20	1.49	0.15	1.51
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	20	1.47	0.14	1.49
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	20	1.47	0.14	1.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	20	1.47	0.14	1.49
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	20	1.47	0.14	1.49
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	20	1.47	0.14	1.49
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	20	1.47	0.14	1.49
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	20	1.47	0.14	1.49
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	20	1.47	0.14	1.49
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	20	1.47	0.14	1.49
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	20	1.44	0.13	1.38
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	20	1.44	0.13	1.38
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	20	1.44	0.13	1.38
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	20	1.44	0.13	1.38
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	20	1.44	0.13	1.38
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	20	1.44	0.13	1.38
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	20	1.41	0.27	1.35
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	20	1.41	0.27	1.35
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	20	1.41	0.27	1.35
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	20	1.41	0.27	1.35
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	20	1.41	0.27	1.35
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	20	1.41	0.27	1.35
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	20	1.39	0.14	1.38
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	20	1.39	0.14	1.38
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	20	1.39	0.14	1.38
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	20	1.35	0.3	1.42
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	20	1.35	0.3	1.42
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	20	1.35	0.3	1.42
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	20	1.35	0.3	1.42
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	20	1.35	0.3	1.42
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	20	1.35	0.3	1.42
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	20	1.32	0.34	1.36
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	20	1.32	0.34	1.36
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	20	1.32	0.34	1.36
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	20	1.32	0.34	1.36
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	20	1.32	0.34	1.36
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	20	1.32	0.34	1.36
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	20	1.3	0.11	1.29
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	20	1.3	0.11	1.29
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	20	1.3	0.11	1.29
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	20	1.3	0.11	1.29
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	20	1.3	0.11	1.29
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	20	1.3	0.11	1.29
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	20	1.26	0.14	1.25
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	20	1.26	0.14	1.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	20	1.26	0.14	1.25
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	20	1.26	0.14	1.25
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	20	1.26	0.14	1.25
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	20	1.26	0.14	1.25
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	20	1.22	0.13	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	20	1.22	0.13	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	20	1.22	0.13	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	20	1.22	0.13	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	20	1.22	0.13	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	20	1.22	0.13	1.19
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	20	1.21	0.07	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	20	1.21	0.07	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	20	1.21	0.07	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	20	1.21	0.07	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	20	1.21	0.07	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	20	1.21	0.07	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	20	1.21	0.07	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	20	1.21	0.07	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	20	1.21	0.07	1.21
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	20	1.2	0.15	1.24
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	20	1.2	0.15	1.24
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	20	1.2	0.15	1.24
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	20	1.17	0.16	1.14
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	20	1.17	0.16	1.14
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	20	1.17	0.16	1.14
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	20	1.17	0.16	1.14
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	20	1.17	0.16	1.14
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	20	1.17	0.16	1.14
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	20	1.17	0.16	1.14
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	20	1.17	0.16	1.14
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	20	1.17	0.16	1.14
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	20	1.14	0.26	1.15
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	20	1.14	0.26	1.15
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	20	1.14	0.26	1.15
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	20	1.14	0.29	1.03
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	20	1.14	0.29	1.03
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	20	1.14	0.29	1.03
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	20	1.14	0.29	1.03
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	20	1.14	0.29	1.03
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	20	1.14	0.29	1.03
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	20	1.14	0.04	1.14
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	20	1.14	0.04	1.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	20	1.14	0.04	1.14
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	20	1.11	0.16	1.08
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	20	1.11	0.16	1.08
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	20	1.11	0.16	1.08
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	20	1.11	0.16	1.08
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	20	1.11	0.16	1.08
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	20	1.11	0.16	1.08
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	20	1.11	0.08	1.1
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	20	1.11	0.08	1.1
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	20	1.11	0.08	1.1
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	20	1.09	0.02	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	20	1.09	0.02	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	20	1.09	0.02	1.09
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	20	1.09	0.02	1.09
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	20	1.09	0.02	1.09
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	20	1.09	0.02	1.09
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	20	1.08	0.13	1.1
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	20	1.08	0.13	1.1
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	20	1.08	0.13	1.1
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	20	1.08	0.06	1.08
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	20	1.08	0.06	1.08
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	20	1.08	0.06	1.08
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	20	1.08	0.06	1.08
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	20	1.08	0.06	1.08
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	20	1.08	0.06	1.08
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	20	1.08	0.39	1.21
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	20	1.08	0.39	1.21
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	20	1.08	0.39	1.21
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	20	1.08	0.39	1.21
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	20	1.08	0.39	1.21
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	20	1.08	0.39	1.21
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	20	1.07	0.13	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	20	1.07	0.13	1.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	20	1.07	0.13	1.05
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	20	1.07	0.03	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	20	1.07	0.03	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	20	1.07	0.03	1.06
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	20	1.05	0.06	1.06
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	20	1.05	0.06	1.06
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	20	1.05	0.06	1.06
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	20	1.05	0.07	1.06
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	20	1.05	0.07	1.06
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	20	1.05	0.07	1.06
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	20	1.05	0.06	1.04
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	20	1.05	0.06	1.04
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	20	1.05	0.06	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	20	1.05	0.06	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	20	1.05	0.06	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	20	1.05	0.06	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	20	1.05	0.06	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	20	1.05	0.06	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	20	1.05	0.06	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	20	1.05	0.06	1.04
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	20	1.04	0.18	1.06
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	20	1.04	0.18	1.06
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	20	1.04	0.18	1.06
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	20	1.04	0.18	1.06
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	20	1.04	0.18	1.06
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	20	1.04	0.18	1.06
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	20	1.04	0.18	1.06
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	20	1.04	0.18	1.06
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	20	1.04	0.18	1.06
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	20	1.04	0.18	1.06
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	20	1.04	0.18	1.06
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	20	1.04	0.18	1.06
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	20	1.04	0.03	1.04
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	20	1.04	0.03	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	20	1.04	0.03	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	20	1.04	0.03	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	20	1.04	0.03	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	20	1.04	0.03	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	20	1.01	0.12	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	20	1.01	0.12	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	20	1.01	0.12	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	20	1.01	0.12	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	20	1.01	0.12	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	20	1.01	0.12	1.04
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	20	1.01	0.33	1.1
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	20	1.01	0.33	1.1
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	20	1.01	0.33	1.1
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	20	1.01	0.33	1.1
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	20	1.01	0.33	1.1
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	20	1.01	0.33	1.1
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	20	1.0	0.04	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	20	1.0	0.04	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	20	1.0	0.04	1.0
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	20	0.99	0.13	0.96
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	20	0.99	0.13	0.96
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	20	0.99	0.13	0.96
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	20	0.94	0.1	0.92
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	20	0.94	0.1	0.92
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	20	0.94	0.1	0.92
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	20	0.94	0.31	0.86
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	20	0.94	0.31	0.86
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	20	0.94	0.31	0.86
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	20	0.93	0.07	0.94
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	20	0.93	0.07	0.94
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	20	0.93	0.07	0.94
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	20	0.93	0.07	0.94
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	20	0.93	0.07	0.94
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	20	0.93	0.07	0.94
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	20	0.93	0.07	0.94
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	20	0.93	0.07	0.94
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	20	0.93	0.07	0.94
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	20	0.93	0.07	0.94
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	20	0.93	0.07	0.94
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	20	0.93	0.07	0.94
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	20	0.93	0.07	0.94
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	20	0.93	0.07	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	20	0.93	0.07	0.94
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	20	0.93	0.07	0.94
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	20	0.93	0.07	0.94
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	20	0.93	0.07	0.94
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	20	0.93	0.3	1.0
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	20	0.93	0.3	1.0
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	20	0.93	0.3	1.0
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	20	0.93	0.3	1.0
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	20	0.93	0.3	1.0
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	20	0.93	0.3	1.0
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	20	0.93	0.25	1.01
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	20	0.93	0.25	1.01
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	20	0.93	0.25	1.01
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	20	0.93	0.25	1.01
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	20	0.93	0.25	1.01
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	20	0.93	0.25	1.01
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	20	0.91	0.13	0.9
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	20	0.91	0.13	0.9
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	20	0.91	0.13	0.9
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	20	0.9	0.06	0.9
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	20	0.9	0.06	0.9
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	20	0.9	0.06	0.9
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	20	0.9	0.13	0.9
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	20	0.9	0.13	0.9
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	20	0.9	0.13	0.9
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	20	0.9	0.13	0.9
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	20	0.9	0.13	0.9
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	20	0.9	0.13	0.9
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	20	0.9	0.08	0.92
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	20	0.9	0.08	0.92
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	20	0.9	0.08	0.92
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	20	0.9	0.08	0.92
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	20	0.9	0.08	0.92
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	20	0.9	0.08	0.92
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	20	0.88	0.13	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	20	0.88	0.13	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	20	0.88	0.13	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	20	0.88	0.13	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	20	0.88	0.13	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	20	0.88	0.13	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	20	0.88	0.13	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	20	0.88	0.13	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	20	0.88	0.13	0.93
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	20	0.88	0.1	0.85
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	20	0.88	0.1	0.85
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	20	0.88	0.1	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	20	0.88	0.1	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	20	0.88	0.1	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	20	0.88	0.1	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	20	0.88	0.1	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	20	0.88	0.1	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	20	0.88	0.1	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	20	0.88	0.1	0.85
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	20	0.84	0.07	0.84
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	20	0.84	0.07	0.84
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	20	0.84	0.07	0.84
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	20	0.82	0.05	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	20	0.82	0.05	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	20	0.82	0.05	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	20	0.82	0.05	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	20	0.82	0.05	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	20	0.82	0.05	0.83
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	20	0.81	0.27	0.77
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	20	0.81	0.27	0.77
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	20	0.81	0.27	0.77
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	20	0.81	0.27	0.77
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	20	0.81	0.27	0.77
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	20	0.81	0.27	0.77
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	20	0.81	0.27	0.77
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	20	0.81	0.27	0.77
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	20	0.81	0.27	0.77
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	20	0.81	0.27	0.77
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	20	0.81	0.27	0.77
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	20	0.81	0.27	0.77
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	20	0.8	0.13	0.78
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	20	0.8	0.13	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	20	0.8	0.13	0.78
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	20	0.8	0.13	0.84
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	20	0.8	0.13	0.84
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	20	0.8	0.13	0.84
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	20	0.79	0.09	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	20	0.79	0.09	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	20	0.79	0.09	0.78
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	20	0.79	0.09	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	20	0.79	0.09	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	20	0.79	0.09	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	20	0.79	0.09	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	20	0.79	0.09	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	20	0.79	0.09	0.8
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	20	0.77	0.14	0.79
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	20	0.77	0.14	0.79
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	20	0.77	0.14	0.79
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	20	0.77	0.14	0.79
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	20	0.77	0.14	0.79
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	20	0.77	0.14	0.79
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	20	0.77	0.14	0.79
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	20	0.77	0.14	0.79
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	20	0.77	0.14	0.79
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	20	0.76	0.16	0.72
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	20	0.76	0.16	0.72
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	20	0.76	0.16	0.72
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	20	0.76	0.16	0.72
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	20	0.76	0.16	0.72
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	20	0.76	0.16	0.72
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	20	0.76	0.16	0.72
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	20	0.76	0.16	0.72
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	20	0.76	0.16	0.72
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	20	0.73	0.25	0.73
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	20	0.73	0.25	0.73
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	20	0.73	0.25	0.73
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	20	0.73	0.25	0.73
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	20	0.73	0.25	0.73
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	20	0.73	0.25	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	20	0.72	0.04	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	20	0.72	0.04	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	20	0.72	0.04	0.73
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	20	0.72	0.26	0.74
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	20	0.72	0.26	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	20	0.72	0.26	0.74
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	20	0.7	0.07	0.68
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	20	0.7	0.07	0.68
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	20	0.7	0.07	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	20	0.7	0.07	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	20	0.7	0.07	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	20	0.7	0.07	0.68
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	20	0.68	0.16	0.59
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	20	0.68	0.16	0.59
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	20	0.68	0.16	0.59
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	20	0.68	0.16	0.59
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	20	0.68	0.16	0.59
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	20	0.68	0.16	0.59
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	20	0.68	0.3	0.63
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	20	0.68	0.3	0.63
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	20	0.68	0.3	0.63
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	20	0.68	0.3	0.63
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	20	0.68	0.3	0.63
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	20	0.68	0.3	0.63
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	20	0.68	0.3	0.63
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	20	0.68	0.3	0.63
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	20	0.68	0.3	0.63
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	20	0.68	0.3	0.63
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	20	0.66	0.22	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	20	0.66	0.22	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	20	0.66	0.22	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	20	0.66	0.22	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	20	0.66	0.22	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	20	0.66	0.22	0.75
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	20	0.65	0.13	0.66
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	20	0.65	0.13	0.66
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	20	0.65	0.13	0.66
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	20	0.62	0.01	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	20	0.62	0.01	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	20	0.62	0.01	0.62
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	20	0.61	0.09	0.64
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	20	0.61	0.09	0.64
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	20	0.61	0.09	0.64
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	20	0.6	0.26	0.6
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	20	0.6	0.26	0.6
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	20	0.6	0.26	0.6
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	20	0.6	0.15	0.58
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	20	0.6	0.15	0.58
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	20	0.6	0.15	0.58
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	20	0.6	0.07	0.59
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	20	0.6	0.07	0.59
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	20	0.6	0.07	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	20	0.6	0.07	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	20	0.6	0.07	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	20	0.6	0.07	0.59
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	20	0.6	0.21	0.57
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	20	0.6	0.21	0.57
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	20	0.6	0.21	0.57
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	20	0.6	0.21	0.57
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	20	0.6	0.21	0.57
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	20	0.6	0.21	0.57
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	20	0.58	0.39	0.44
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	20	0.58	0.39	0.44
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	20	0.58	0.39	0.44
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	20	0.58	0.39	0.44
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	20	0.58	0.39	0.44
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	20	0.58	0.39	0.44
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	20	0.58	0.17	0.55
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	20	0.58	0.17	0.55
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	20	0.58	0.17	0.55
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	20	0.58	0.17	0.55
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	20	0.58	0.17	0.55
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	20	0.58	0.17	0.55
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	20	0.58	0.17	0.55
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	20	0.58	0.17	0.55
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	20	0.58	0.17	0.55
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	20	0.57	0.02	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	20	0.57	0.02	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	20	0.57	0.02	0.57
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	20	0.56	0.12	0.58
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	20	0.56	0.12	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	20	0.56	0.12	0.58
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	20	0.55	0.31	0.48
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	20	0.55	0.31	0.48
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	20	0.55	0.31	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	20	0.55	0.31	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	20	0.55	0.31	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	20	0.55	0.31	0.48
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	20	0.55	0.24	0.47
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	20	0.55	0.24	0.47
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	20	0.55	0.24	0.47
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	20	0.51	0.05	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	20	0.51	0.05	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	20	0.51	0.05	0.54
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	20	0.48	0.01	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	20	0.48	0.01	0.48
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	20	0.48	0.01	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	20	0.48	0.01	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	20	0.48	0.01	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	20	0.48	0.01	0.48
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	20	0.47	0.1	0.5
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	20	0.47	0.1	0.5
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	20	0.47	0.1	0.5
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	20	0.45	0.01	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	20	0.45	0.01	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	20	0.45	0.01	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	20	0.45	0.01	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	20	0.45	0.01	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	20	0.45	0.01	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	20	0.45	0.01	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	20	0.45	0.01	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	20	0.45	0.01	0.45
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	20	0.44	0.18	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	20	0.44	0.18	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	20	0.44	0.18	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	20	0.44	0.18	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	20	0.44	0.18	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	20	0.44	0.18	0.38
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	20	0.43	0.04	0.44
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	20	0.43	0.04	0.44
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	20	0.43	0.04	0.44
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	20	0.43	0.04	0.44
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	20	0.43	0.04	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	20	0.43	0.04	0.44
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	20	0.42	0.07	0.42
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	20	0.42	0.07	0.42
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	20	0.42	0.07	0.42
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	20	0.42	0.07	0.42
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	20	0.42	0.07	0.42
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	20	0.42	0.07	0.42
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	20	0.42	0.07	0.42
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	20	0.42	0.07	0.42
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	20	0.42	0.07	0.42
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	20	0.41	0.1	0.44
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	20	0.41	0.1	0.44
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	20	0.41	0.1	0.44
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	20	0.41	0.1	0.44
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	20	0.41	0.1	0.44
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	20	0.41	0.1	0.44
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	20	0.41	0.1	0.44
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	20	0.41	0.1	0.44
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	20	0.41	0.1	0.44
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	20	0.4	0.01	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	20	0.4	0.01	0.41
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	20	0.4	0.01	0.41
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	20	0.38	0.06	0.4
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	20	0.38	0.06	0.4
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	20	0.38	0.06	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	20	0.38	0.06	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	20	0.38	0.06	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	20	0.38	0.06	0.4
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	20	0.37	0.06	0.35
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	20	0.37	0.06	0.35
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	20	0.37	0.06	0.35
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	20	0.36	0.08	0.34
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	20	0.36	0.08	0.34
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	20	0.36	0.08	0.34
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	20	0.36	0.1	0.34
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	20	0.36	0.1	0.34
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	20	0.36	0.1	0.34
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	20	0.35	0.17	0.3
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	20	0.35	0.17	0.3
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	20	0.35	0.17	0.3
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	20	0.34	0.07	0.34
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	20	0.34	0.07	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	20	0.34	0.07	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	20	0.33	0.04	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	20	0.33	0.04	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	20	0.33	0.04	0.33
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	20	0.33	0.02	0.33
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	20	0.33	0.02	0.33
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	20	0.33	0.02	0.33
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	20	0.32	0.04	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	20	0.32	0.04	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	20	0.32	0.04	0.32
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	20	0.29	0.13	0.26
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	20	0.29	0.13	0.26
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	20	0.29	0.13	0.26
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	20	0.28	0.06	0.29
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	20	0.28	0.06	0.29
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	20	0.28	0.06	0.29
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	20	0.27	0.03	0.26
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	20	0.27	0.03	0.26
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	20	0.27	0.03	0.26
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	20	0.23	0.08	0.19
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	20	0.23	0.08	0.19
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	20	0.23	0.08	0.19
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	20	0.2	0.16	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	20	0.2	0.16	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	20	0.2	0.16	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	20	0.2	0.16	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	20	0.2	0.16	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	20	0.2	0.16	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	20	0.2	0.16	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	20	0.2	0.16	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	20	0.2	0.16	0.16
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	20	0.18	0.03	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	20	0.18	0.03	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	20	0.18	0.03	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	20	0.18	0.03	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	20	0.18	0.03	0.18
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	20	0.13	0.01	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	20	0.13	0.01	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	20	0.13	0.01	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	20	0.13	0.01	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	20	0.13	0.01	0.13
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	20	0.12	0.0	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	19	1.95	0.62	2.18
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	19	1.95	0.62	2.18
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	19	1.95	0.62	2.18
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	19	1.48	0.51	1.68
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	19	1.48	0.51	1.68
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	19	1.48	0.51	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	19	1.48	0.51	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	19	1.48	0.51	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	19	1.48	0.51	1.68
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	19	1.43	0.49	1.32
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	19	1.43	0.49	1.32
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	19	1.43	0.49	1.32
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	19	1.43	0.49	1.32
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	19	1.43	0.49	1.32
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	19	1.43	0.49	1.32
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	19	1.32	0.41	1.27
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	19	1.32	0.41	1.27
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	19	1.32	0.41	1.27
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	19	1.32	0.41	1.27
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	19	1.32	0.41	1.27
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	19	1.32	0.41	1.27
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	19	1.29	0.09	1.29
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	19	1.29	0.09	1.29
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	19	1.29	0.09	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	19	1.29	0.09	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	19	1.29	0.09	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	19	1.29	0.09	1.29
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	19	1.24	0.3	1.11
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	19	1.24	0.3	1.11
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	19	1.24	0.3	1.11
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	19	1.24	0.3	1.11
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	19	1.24	0.3	1.11
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	19	1.24	0.3	1.11
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	19	1.24	0.3	1.11
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	19	1.24	0.3	1.11
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	19	1.24	0.3	1.11
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	19	1.22	0.34	1.19
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	19	1.22	0.34	1.19
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	19	1.22	0.34	1.19
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	19	1.22	0.09	1.21
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	19	1.22	0.09	1.21
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	19	1.22	0.09	1.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	19	1.22	0.09	1.21
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	19	1.22	0.09	1.21
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	19	1.22	0.09	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	19	1.22	0.09	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	19	1.22	0.09	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	19	1.22	0.09	1.21
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	19	1.15	0.2	1.14
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	19	1.15	0.2	1.14
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	19	1.15	0.2	1.14
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	19	1.15	0.2	1.14
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	19	1.15	0.2	1.14
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	19	1.15	0.2	1.14
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	19	1.06	0.05	1.05
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	19	1.06	0.05	1.05
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	19	1.06	0.05	1.05
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	19	0.91	0.08	0.9
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	19	0.91	0.08	0.9
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	19	0.91	0.08	0.9
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	19	0.91	0.08	0.9
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	19	0.91	0.08	0.9
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	19	0.91	0.08	0.9
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	19	0.91	0.08	0.9
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	19	0.91	0.08	0.9
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	19	0.91	0.08	0.9
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	19	0.91	0.08	0.9
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	19	0.91	0.08	0.9
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	19	0.91	0.08	0.9
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	19	0.76	0.1	0.77
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	19	0.76	0.1	0.77
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	19	0.76	0.1	0.77
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	19	0.76	0.1	0.77
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	19	0.76	0.1	0.77
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	19	0.76	0.1	0.77
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	19	0.76	0.1	0.77
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	19	0.76	0.1	0.77
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	19	0.76	0.1	0.77
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	19	0.74	0.25	0.7
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	19	0.74	0.25	0.7
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	19	0.74	0.25	0.7
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	19	0.71	0.11	0.7
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	19	0.71	0.11	0.7
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	19	0.71	0.11	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	19	0.71	0.11	0.7
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	19	0.71	0.11	0.7
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	19	0.71	0.11	0.7
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	19	0.71	0.11	0.7
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	19	0.71	0.11	0.7
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	19	0.71	0.11	0.7
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	19	0.71	0.11	0.7
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	19	0.71	0.11	0.7
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	19	0.71	0.11	0.7
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	19	0.67	0.03	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	19	0.67	0.03	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	19	0.67	0.03	0.67
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	19	0.43	0.23	0.4
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	19	0.43	0.23	0.4
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	19	0.43	0.23	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	19	0.4	0.03	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	19	0.4	0.03	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	19	0.4	0.03	0.4
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	19	0.36	0.05	0.35
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	19	0.36	0.05	0.35
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	19	0.36	0.05	0.35
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	19	0.26	0.05	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	19	0.26	0.05	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	19	0.26	0.05	0.27
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	19	0.15	0.03	0.15
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	19	0.15	0.03	0.15
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	19	0.15	0.03	0.15
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	19	0.15	0.03	0.15
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	19	0.15	0.03	0.15
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	19	0.15	0.03	0.15
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	19	0.15	0.03	0.15
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	19	0.15	0.03	0.15
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	19	0.15	0.03	0.15
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	19	0.15	0.03	0.15
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	19	0.15	0.03	0.15
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	19	0.15	0.03	0.15
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	19	0.13	0.02	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	19	0.13	0.02	0.13
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	18	1.23	0.33	1.14
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	18	1.23	0.33	1.14
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	18	1.23	0.33	1.14
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	18	1.23	0.33	1.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	18	1.23	0.33	1.14
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	18	1.23	0.33	1.14
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	18	1.23	0.33	1.14
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	18	1.23	0.33	1.14
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	18	1.23	0.33	1.14
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	18	1.03	0.12	1.02
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	18	1.03	0.12	1.02
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	18	1.03	0.12	1.02
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	18	0.9	0.44	0.64
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	18	0.9	0.44	0.64
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	18	0.9	0.44	0.64
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	18	0.4	0.13	0.43
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	18	0.4	0.13	0.43
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	18	0.4	0.13	0.43
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	18	0.21	0.02	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	18	0.21	0.02	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	18	0.21	0.02	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	18	0.21	0.02	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	18	0.21	0.02	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	18	0.21	0.02	0.21
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	18	0.15	0.02	0.14
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	18	0.14	0.01	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	18	0.14	0.01	0.15
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	17	2.23	0.13	2.22
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	17	2.23	0.13	2.22
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	17	2.23	0.13	2.22
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	17	1.62	0.25	1.58
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	17	1.62	0.25	1.58
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	17	1.62	0.25	1.58
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	17	1.62	0.25	1.58
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	17	1.62	0.25	1.58
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	17	1.62	0.25	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	17	1.62	0.25	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	17	1.62	0.25	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	17	1.62	0.25	1.58
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	17	1.62	0.25	1.58
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	17	1.62	0.25	1.58
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	17	1.62	0.25	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	17	1.62	0.25	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	17	1.62	0.25	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	17	1.62	0.25	1.58
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	17	1.62	0.25	1.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	17	1.62	0.25	1.58
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	17	1.62	0.25	1.58
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	17	1.35	0.34	1.48
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	17	1.35	0.34	1.48
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	17	1.35	0.34	1.48
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	17	1.15	0.36	1.3
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	17	1.15	0.36	1.3
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	17	1.15	0.36	1.3
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	17	1.15	0.36	1.3
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	17	1.15	0.36	1.3
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	17	1.15	0.36	1.3
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	17	1.13	0.27	1.16
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	17	1.13	0.27	1.16
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	17	1.13	0.27	1.16
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	17	0.91	0.58	0.69
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	17	0.91	0.58	0.69
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	17	0.91	0.58	0.69
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	17	0.91	0.58	0.69
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	17	0.91	0.58	0.69
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	17	0.91	0.58	0.69
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	17	0.81	0.04	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	17	0.81	0.04	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	17	0.81	0.04	0.82
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	17	0.76	0.61	0.51
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	17	0.76	0.61	0.51
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	17	0.76	0.61	0.51
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	17	0.76	0.61	0.51
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	17	0.76	0.61	0.51
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	17	0.76	0.61	0.51
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	17	0.56	0.32	0.46
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	17	0.56	0.32	0.46
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	17	0.56	0.32	0.46
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	17	0.56	0.32	0.46
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	17	0.56	0.32	0.46
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	17	0.56	0.32	0.46
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	17	0.56	0.32	0.46
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	17	0.56	0.32	0.46
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	17	0.56	0.32	0.46
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	17	0.48	0.02	0.48
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	17	0.48	0.02	0.48
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	17	0.48	0.02	0.48
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	17	0.41	0.04	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	17	0.41	0.04	0.42
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	17	0.41	0.04	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	17	0.41	0.04	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	17	0.41	0.04	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	17	0.41	0.04	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	17	0.41	0.04	0.42
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	17	0.41	0.14	0.42
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	17	0.41	0.14	0.42
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	17	0.41	0.14	0.42
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	17	0.39	0.07	0.38
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	17	0.39	0.07	0.38
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	17	0.39	0.07	0.38
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	17	0.34	0.03	0.35
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	17	0.34	0.03	0.35
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	17	0.34	0.03	0.35
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	17	0.25	0.12	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	17	0.25	0.12	0.19
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	17	0.24	0.18	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	17	0.24	0.18	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	17	0.24	0.18	0.18
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	16	0.48	0.4	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	16	0.48	0.4	0.33
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	16	0.48	0.4	0.33
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	16	0.42	0.01	0.43
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	16	0.42	0.01	0.43
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	16	0.42	0.01	0.43
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	16	0.33	0.11	0.32
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	16	0.33	0.11	0.32
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	16	0.33	0.11	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	16	0.33	0.11	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	16	0.33	0.11	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	16	0.33	0.11	0.32
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	16	0.31	0.12	0.32
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	16	0.31	0.12	0.32
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	16	0.31	0.12	0.32
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	16	0.31	0.12	0.32
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	16	0.31	0.12	0.32
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	16	0.31	0.12	0.32
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	16	0.26	0.09	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	16	0.26	0.09	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	16	0.26	0.09	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	16	0.26	0.09	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	16	0.26	0.09	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	16	0.26	0.09	0.28
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	16	0.15	0.03	0.15
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	16	0.15	0.03	0.15
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	16	0.12	0.01	0.11
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	15	0.48	0.22	0.44
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	15	0.48	0.22	0.44
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	15	0.48	0.22	0.44
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	15	0.48	0.22	0.44
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	15	0.48	0.22	0.44
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	15	0.48	0.22	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	15	0.48	0.22	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	15	0.48	0.22	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	15	0.48	0.22	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	15	0.48	0.22	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	15	0.48	0.22	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	15	0.48	0.22	0.44
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	15	0.3	0.15	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	15	0.3	0.15	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	15	0.3	0.15	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	15	0.3	0.15	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	15	0.3	0.15	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	15	0.3	0.15	0.26
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	15	0.3	0.03	0.3
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	15	0.3	0.03	0.3
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	15	0.3	0.03	0.3
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	15	0.29	0.15	0.23
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	15	0.29	0.15	0.23
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	15	0.29	0.15	0.23
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	15	0.22	0.06	0.22
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	15	0.22	0.06	0.22
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	15	0.22	0.06	0.22
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	15	0.17	0.02	0.17
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	15	0.17	0.02	0.17
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	15	0.17	0.02	0.17
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	15	0.12	0.01	0.12
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	15	0.12	0.01	0.12
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	14	1.73	0.29	1.8
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	14	1.73	0.29	1.8
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	14	1.73	0.29	1.8
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	14	1.73	0.29	1.8
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	14	1.73	0.29	1.8
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	14	1.73	0.29	1.8
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	14	0.44	0.26	0.34
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	14	0.44	0.26	0.34
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	14	0.44	0.26	0.34
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	14	0.31	0.22	0.22
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	14	0.31	0.22	0.22
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	14	0.31	0.22	0.22
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	14	0.23	0.13	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	14	0.23	0.13	0.2
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	14	0.21	0.07	0.2
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	14	0.21	0.07	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	14	0.21	0.07	0.2
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	14	0.21	0.07	0.2
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	14	0.21	0.07	0.2
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	14	0.21	0.07	0.2
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	14	0.18	0.05	0.16
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	14	0.18	0.05	0.16
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	14	0.18	0.05	0.16
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	14	0.18	0.05	0.16
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	14	0.18	0.05	0.16
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	14	0.18	0.05	0.16
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	14	0.14	0.02	0.13
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	14	0.12	0.02	0.12
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	13	1.32	0.68	1.26
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	13	1.32	0.68	1.26
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	13	1.32	0.68	1.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	13	1.32	0.68	1.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	13	1.32	0.68	1.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	13	1.32	0.68	1.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	13	1.32	0.68	1.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	13	1.32	0.68	1.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	13	1.32	0.68	1.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	13	1.32	0.68	1.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	13	1.32	0.68	1.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	13	1.32	0.68	1.26
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	13	1.17	0.35	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	13	1.17	0.35	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	13	1.17	0.35	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	13	1.17	0.35	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	13	1.17	0.35	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	13	1.17	0.35	1.34
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	13	0.29	0.12	0.25
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	13	0.29	0.12	0.25
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	13	0.29	0.12	0.25
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	13	0.2	0.06	0.2
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	13	0.2	0.06	0.2
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	13	0.2	0.06	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	13	0.19	0.04	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	13	0.19	0.04	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	13	0.19	0.04	0.2
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	13	0.15	0.02	0.16
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	13	0.15	0.02	0.16
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	13	0.15	0.02	0.16
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	13	0.15	0.02	0.16
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	13	0.15	0.02	0.16
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	13	0.15	0.02	0.16
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	13	0.15	0.02	0.16
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	13	0.15	0.02	0.16
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	13	0.15	0.02	0.16
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	13	0.15	0.02	0.16
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	13	0.15	0.02	0.16
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	13	0.15	0.02	0.16
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	12	0.34	0.27	0.19
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	12	0.34	0.27	0.19
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	12	0.34	0.27	0.19
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	12	0.15	0.04	0.15
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	12	0.15	0.04	0.15
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	12	0.15	0.04	0.15
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	12	0.15	0.04	0.13
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	12	0.15	0.04	0.13
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	12	0.15	0.04	0.13
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	12	0.15	0.04	0.13
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	12	0.15	0.03	0.15
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	12	0.15	0.03	0.15
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	12	0.15	0.03	0.15
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	12	0.15	0.03	0.15
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	12	0.12	0.01	0.12
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	12	0.12	0.01	0.12
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	11	0.42	0.36	0.23
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	11	0.42	0.36	0.23
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	11	0.42	0.36	0.23
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	11	0.42	0.36	0.23
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	11	0.42	0.36	0.23
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	11	0.42	0.36	0.23
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	11	0.42	0.36	0.23
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	11	0.42	0.36	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	11	0.42	0.36	0.23
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	11	0.42	0.18	0.42
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	11	0.42	0.18	0.42
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	11	0.42	0.18	0.42
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	11	0.42	0.18	0.42
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	11	0.42	0.18	0.42
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	11	0.42	0.18	0.42
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	11	0.29	0.09	0.26
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	11	0.29	0.09	0.26
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	11	0.29	0.09	0.26
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	11	0.13	0.02	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	11	0.13	0.01	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	11	0.13	0.01	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	11	0.13	0.01	0.13
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	11	0.13	0.01	0.13
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	11	0.13	0.01	0.13
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	11	0.13	0.01	0.13
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	11	0.12	0.01	0.12
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	11	0.12	0.01	0.12
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	11	0.12	0.01	0.12
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	11	0.12	0.01	0.12
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	11	0.1	0.0	0.1
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	10	0.3	0.15	0.31
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	10	0.3	0.15	0.31
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	10	0.3	0.15	0.31
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	10	0.17	0.04	0.18
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	10	0.17	0.04	0.18
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	10	0.17	0.04	0.18
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	10	0.13	0.02	0.13
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	10	0.12	0.01	0.12
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	10	0.12	0.01	0.12
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	10	0.11	0.0	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	10	0.11	0.0	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	10	0.11	0.0	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	10	0.11	0.0	0.11
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	9	1.02	0.36	1.1
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	9	1.02	0.36	1.1
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	9	1.02	0.36	1.1
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	9	1.02	0.36	1.1
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	9	1.02	0.36	1.1
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	9	1.02	0.36	1.1
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	9	0.51	0.21	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	9	0.51	0.21	0.49
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	9	0.51	0.21	0.49
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	9	0.25	0.11	0.23
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	9	0.25	0.11	0.23
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	9	0.25	0.11	0.23
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	9	0.25	0.11	0.23
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	9	0.25	0.11	0.23
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	9	0.25	0.11	0.23
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	9	0.25	0.11	0.23
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	9	0.25	0.11	0.23
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	9	0.25	0.11	0.23
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	9	0.25	0.11	0.23
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	9	0.25	0.11	0.23
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	9	0.25	0.11	0.23
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	9	0.25	0.11	0.23
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	9	0.25	0.11	0.23
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	9	0.25	0.11	0.23
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	9	0.25	0.11	0.23
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	9	0.25	0.11	0.23
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	9	0.25	0.11	0.23
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	9	0.24	0.06	0.25
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	9	0.24	0.06	0.25
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	9	0.19	0.06	0.22
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	9	0.19	0.06	0.22
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	9	0.19	0.06	0.22
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	9	0.19	0.06	0.22
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	9	0.19	0.06	0.22
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	9	0.19	0.06	0.22
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	9	0.17	0.05	0.19
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	9	0.17	0.05	0.19
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	9	0.11	0.01	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	9	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	9	0.11	0.01	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	9	0.11	0.01	0.11
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	8	3.55	1.74	4.54
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	8	0.65	0.04	0.64
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	8	0.65	0.04	0.64
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	8	0.65	0.04	0.64
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	8	0.61	0.6	0.32
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	8	0.61	0.6	0.32
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	8	0.61	0.6	0.32
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	8	0.61	0.6	0.32
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	8	0.61	0.6	0.32
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	8	0.61	0.6	0.32
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	8	0.55	0.06	0.55
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	8	0.55	0.06	0.55
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	8	0.55	0.06	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	8	0.55	0.06	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	8	0.55	0.06	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	8	0.55	0.06	0.55
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	8	0.52	0.15	0.5
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	8	0.52	0.15	0.5
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	8	0.52	0.15	0.5
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	8	0.52	0.15	0.5
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	8	0.52	0.15	0.5
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	8	0.52	0.15	0.5
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	8	0.32	0.1	0.35
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	8	0.32	0.1	0.35
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	8	0.32	0.1	0.35
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	8	0.25	0.11	0.23
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	8	0.25	0.11	0.23
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	8	0.25	0.11	0.23
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	8	0.25	0.11	0.23
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	8	0.25	0.11	0.23
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	8	0.25	0.11	0.23
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	8	0.17	0.04	0.17
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	8	0.17	0.04	0.17
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	8	0.17	0.04	0.17
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	8	0.13	0.02	0.12
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	8	0.13	0.02	0.12
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	8	0.13	0.02	0.12
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	8	0.13	0.02	0.12
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	8	0.13	0.02	0.12
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	8	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	8	0.13	0.02	0.12
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	8	0.13	0.01	0.12
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	8	0.13	0.01	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	8	0.12	0.01	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	8	0.12	0.01	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	8	0.12	0.01	0.12
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	8	0.12	0.01	0.12
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	8	0.12	0.01	0.12
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	8	0.12	0.01	0.12
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG2	7	1.87	0.74	2.1
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG3	7	1.87	0.74	2.1
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG2	7	1.87	0.74	2.1
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG3	7	1.87	0.74	2.1
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG2	7	1.87	0.74	2.1
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG3	7	1.87	0.74	2.1
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG21	7	0.83	0.11	0.85
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG22	7	0.83	0.11	0.85
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG23	7	0.83	0.11	0.85
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD11	7	0.53	0.16	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD12	7	0.53	0.16	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD13	7	0.53	0.16	0.63
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD11	7	0.48	0.16	0.56
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD12	7	0.48	0.16	0.56
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD13	7	0.48	0.16	0.56
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB2	7	0.18	0.09	0.13
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB3	7	0.18	0.09	0.13
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG11	7	0.15	0.04	0.16
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG12	7	0.15	0.04	0.16
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG13	7	0.15	0.04	0.16
(1,2186)	1:167:A:GLU:HG2	1:164:A:ILE:HA	7	0.11	0.01	0.11
(1,2186)	1:167:A:GLU:HG3	1:164:A:ILE:HA	7	0.11	0.01	0.11
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD11	6	0.91	0.26	0.92
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD12	6	0.91	0.26	0.92
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD13	6	0.91	0.26	0.92
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD11	6	0.91	0.26	0.92
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD12	6	0.91	0.26	0.92
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD13	6	0.91	0.26	0.92
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD21	6	0.27	0.1	0.24
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD22	6	0.27	0.1	0.24
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD23	6	0.27	0.1	0.24
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB2	6	0.26	0.02	0.26
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB3	6	0.26	0.02	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3559)	1:113:A:VAL:HG21	1:111:A:LYS:H	6	0.26	0.11	0.22
(1,3559)	1:113:A:VAL:HG22	1:111:A:LYS:H	6	0.26	0.11	0.22
(1,3559)	1:113:A:VAL:HG23	1:111:A:LYS:H	6	0.26	0.11	0.22
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD21	6	0.23	0.08	0.24
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD22	6	0.23	0.08	0.24
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD23	6	0.23	0.08	0.24
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD21	6	0.23	0.08	0.24
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD22	6	0.23	0.08	0.24
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD23	6	0.23	0.08	0.24
(1,3557)	1:166:A:ASN:HD21	1:165:A:LEU:H	6	0.19	0.01	0.2
(1,3557)	1:166:A:ASN:HD22	1:165:A:LEU:H	6	0.19	0.01	0.2
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG11	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG12	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG13	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG11	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG12	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG13	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG11	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG12	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG13	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG11	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG12	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG13	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG11	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG12	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG13	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG11	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG12	6	0.19	0.06	0.2
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG13	6	0.19	0.06	0.2
(1,2375)	1:127:A:THR:HA	1:127:A:THR:HB	6	0.18	0.01	0.18
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB1	6	0.15	0.01	0.15
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB2	6	0.15	0.01	0.15
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB3	6	0.15	0.01	0.15
(1,516)	1:127:A:THR:H	1:127:A:THR:HG21	6	0.14	0.02	0.14
(1,516)	1:127:A:THR:H	1:127:A:THR:HG22	6	0.14	0.02	0.14
(1,516)	1:127:A:THR:H	1:127:A:THR:HG23	6	0.14	0.02	0.14
(1,3350)	1:127:A:THR:HG21	1:127:A:THR:H	6	0.14	0.02	0.14
(1,3350)	1:127:A:THR:HG22	1:127:A:THR:H	6	0.14	0.02	0.14
(1,3350)	1:127:A:THR:HG23	1:127:A:THR:H	6	0.14	0.02	0.14
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB2	6	0.11	0.01	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB3	6	0.11	0.01	0.11
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG21	5	0.55	0.36	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG22	5	0.55	0.36	0.8
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG23	5	0.55	0.36	0.8
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG21	5	0.55	0.36	0.8
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG22	5	0.55	0.36	0.8
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG23	5	0.55	0.36	0.8
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG21	5	0.48	0.15	0.55
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG22	5	0.48	0.15	0.55
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG23	5	0.48	0.15	0.55
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD21	5	0.38	0.08	0.35
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD22	5	0.38	0.08	0.35
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD23	5	0.38	0.08	0.35
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD21	5	0.38	0.08	0.35
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD22	5	0.38	0.08	0.35
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD23	5	0.38	0.08	0.35
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD21	5	0.37	0.1	0.4
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD22	5	0.37	0.1	0.4
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD23	5	0.37	0.1	0.4
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB2	5	0.16	0.03	0.16
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB3	5	0.16	0.03	0.16
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB2	5	0.16	0.03	0.16
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB3	5	0.16	0.03	0.16
(1,2231)	1:104:A:LEU:HD11	1:108:A:LEU:HA	5	0.14	0.05	0.11
(1,2231)	1:104:A:LEU:HD12	1:108:A:LEU:HA	5	0.14	0.05	0.11
(1,2231)	1:104:A:LEU:HD13	1:108:A:LEU:HA	5	0.14	0.05	0.11
(1,992)	1:152:A:LEU:HA	1:152:A:LEU:HG	5	0.13	0.02	0.12
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE2	5	0.13	0.02	0.13
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE3	5	0.13	0.02	0.13
(1,2261)	1:104:A:LEU:H	1:104:A:LEU:HG	5	0.12	0.01	0.13
(2,48)	1:139:A:PHE:HE1	1:119:A:TRP:HD1	5	0.12	0.02	0.12
(2,48)	1:139:A:PHE:HE2	1:119:A:TRP:HD1	5	0.12	0.02	0.12
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB1	5	0.11	0.01	0.11
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB2	5	0.11	0.01	0.11
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB3	5	0.11	0.01	0.11
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB1	5	0.11	0.01	0.11
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB2	5	0.11	0.01	0.11
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB3	5	0.11	0.01	0.11
(1,2714)	1:22:A:ARG:HB2	1:23:A:ASP:H	5	0.11	0.01	0.11
(1,2714)	1:22:A:ARG:HB3	1:23:A:ASP:H	5	0.11	0.01	0.11
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD11	4	0.36	0.16	0.4
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD12	4	0.36	0.16	0.4
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD13	4	0.36	0.16	0.4
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD11	4	0.36	0.16	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD12	4	0.36	0.16	0.4
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD13	4	0.36	0.16	0.4
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG21	4	0.32	0.19	0.3
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG22	4	0.32	0.19	0.3
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG23	4	0.32	0.19	0.3
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG21	4	0.32	0.19	0.3
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG22	4	0.32	0.19	0.3
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG23	4	0.32	0.19	0.3
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD21	4	0.32	0.15	0.24
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD22	4	0.32	0.15	0.24
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD23	4	0.32	0.15	0.24
(1,3154)	1:84:A:LEU:HD21	1:105:A:HIS:H	4	0.32	0.15	0.24
(1,3154)	1:84:A:LEU:HD22	1:105:A:HIS:H	4	0.32	0.15	0.24
(1,3154)	1:84:A:LEU:HD23	1:105:A:HIS:H	4	0.32	0.15	0.24
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD11	4	0.26	0.07	0.27
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD12	4	0.26	0.07	0.27
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD13	4	0.26	0.07	0.27
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD11	4	0.26	0.07	0.27
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD12	4	0.26	0.07	0.27
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD13	4	0.26	0.07	0.27
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG11	4	0.21	0.02	0.21
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG12	4	0.21	0.02	0.21
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG13	4	0.21	0.02	0.21
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	4	0.17	0.03	0.17
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	4	0.17	0.03	0.17
(1,2933)	1:65:A:TRP:HD1	1:52:A:GLY:H	4	0.16	0.06	0.14
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG2	4	0.15	0.01	0.15
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG3	4	0.15	0.01	0.15
(1,3506)	1:158:A:GLN:HG2	1:159:A:SER:H	4	0.15	0.01	0.15
(1,3506)	1:158:A:GLN:HG3	1:159:A:SER:H	4	0.15	0.01	0.15
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG21	4	0.15	0.03	0.14
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG22	4	0.15	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG23	4	0.15	0.03	0.14
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD11	4	0.14	0.03	0.14
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD12	4	0.14	0.03	0.14
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD13	4	0.14	0.03	0.14
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD11	4	0.14	0.03	0.14
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD12	4	0.14	0.03	0.14
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD13	4	0.14	0.03	0.14
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG21	4	0.14	0.03	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG22	4	0.14	0.03	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG23	4	0.14	0.03	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG21	4	0.14	0.03	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG22	4	0.14	0.03	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG23	4	0.14	0.03	0.12
(1,3229)	1:139:A:PHE:HB2	1:140:A:VAL:H	4	0.14	0.01	0.14
(1,3229)	1:139:A:PHE:HB3	1:140:A:VAL:H	4	0.14	0.01	0.14
(1,3236)	1:101:A:LEU:HD11	1:102:A:GLY:H	4	0.13	0.03	0.14
(1,3236)	1:101:A:LEU:HD12	1:102:A:GLY:H	4	0.13	0.03	0.14
(1,3236)	1:101:A:LEU:HD13	1:102:A:GLY:H	4	0.13	0.03	0.14
(1,2771)	1:22:A:ARG:HB2	1:31:A:THR:H	4	0.13	0.02	0.12
(1,2771)	1:22:A:ARG:HB3	1:31:A:THR:H	4	0.13	0.02	0.12
(1,1752)	1:87:A:LEU:H	1:144:A:LEU:HG	4	0.12	0.02	0.11
(1,120)	1:73:A:ASP:H	1:73:A:ASP:HA	4	0.11	0.01	0.11
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD1	4	0.11	0.01	0.11
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD2	4	0.11	0.01	0.11
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD1	4	0.11	0.01	0.11
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD2	4	0.11	0.01	0.11
(1,2201)	1:170:A:GLU:HB2	1:167:A:GLU:HA	4	0.11	0.01	0.11
(1,2201)	1:170:A:GLU:HB3	1:167:A:GLU:HA	4	0.11	0.01	0.11
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD11	3	1.6	0.09	1.56
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD12	3	1.6	0.09	1.56
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD13	3	1.6	0.09	1.56
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD21	3	0.99	1.2	0.16
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD22	3	0.99	1.2	0.16
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD23	3	0.99	1.2	0.16
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD21	3	0.79	0.95	0.12
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD22	3	0.79	0.95	0.12
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD23	3	0.79	0.95	0.12
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD21	3	0.79	0.95	0.12
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD22	3	0.79	0.95	0.12
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD23	3	0.79	0.95	0.12
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD11	3	0.71	0.03	0.73
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD12	3	0.71	0.03	0.73

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD13	3	0.71	0.03	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD11	3	0.71	0.03	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD12	3	0.71	0.03	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD13	3	0.71	0.03	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD11	3	0.71	0.03	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD12	3	0.71	0.03	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD13	3	0.71	0.03	0.73
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD11	3	0.59	0.31	0.4
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD12	3	0.59	0.31	0.4
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD13	3	0.59	0.31	0.4
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD11	3	0.59	0.31	0.4
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD12	3	0.59	0.31	0.4
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD13	3	0.59	0.31	0.4
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD21	3	0.58	0.01	0.58
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD22	3	0.58	0.01	0.58
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD23	3	0.58	0.01	0.58
(1,1053)	1:77:A:LEU:HD11	1:75:A:LEU:HB2	3	0.57	0.12	0.6
(1,1053)	1:77:A:LEU:HD11	1:75:A:LEU:HB3	3	0.57	0.12	0.6
(1,1053)	1:77:A:LEU:HD12	1:75:A:LEU:HB2	3	0.57	0.12	0.6
(1,1053)	1:77:A:LEU:HD12	1:75:A:LEU:HB3	3	0.57	0.12	0.6
(1,1053)	1:77:A:LEU:HD13	1:75:A:LEU:HB2	3	0.57	0.12	0.6
(1,1053)	1:77:A:LEU:HD13	1:75:A:LEU:HB3	3	0.57	0.12	0.6
(1,1777)	1:101:A:LEU:HD11	1:141:A:GLY:HA2	3	0.36	0.02	0.37
(1,1777)	1:101:A:LEU:HD11	1:141:A:GLY:HA3	3	0.36	0.02	0.37
(1,1777)	1:101:A:LEU:HD12	1:141:A:GLY:HA2	3	0.36	0.02	0.37
(1,1777)	1:101:A:LEU:HD12	1:141:A:GLY:HA3	3	0.36	0.02	0.37
(1,1777)	1:101:A:LEU:HD13	1:141:A:GLY:HA2	3	0.36	0.02	0.37
(1,1777)	1:101:A:LEU:HD13	1:141:A:GLY:HA3	3	0.36	0.02	0.37
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD11	3	0.36	0.02	0.37
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD12	3	0.36	0.02	0.37
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD13	3	0.36	0.02	0.37
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD11	3	0.36	0.02	0.37
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD12	3	0.36	0.02	0.37
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD13	3	0.36	0.02	0.37
(1,171)	1:82:A:VAL:HG11	1:49:A:LEU:HB2	3	0.26	0.13	0.18
(1,171)	1:82:A:VAL:HG11	1:49:A:LEU:HB3	3	0.26	0.13	0.18
(1,171)	1:82:A:VAL:HG12	1:49:A:LEU:HB2	3	0.26	0.13	0.18
(1,171)	1:82:A:VAL:HG12	1:49:A:LEU:HB3	3	0.26	0.13	0.18
(1,171)	1:82:A:VAL:HG13	1:49:A:LEU:HB2	3	0.26	0.13	0.18
(1,171)	1:82:A:VAL:HG13	1:49:A:LEU:HB3	3	0.26	0.13	0.18
(1,1555)	1:82:A:VAL:HG11	1:49:A:LEU:HB2	3	0.26	0.13	0.18
(1,1555)	1:82:A:VAL:HG11	1:49:A:LEU:HB3	3	0.26	0.13	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1555)	1:82:A:VAL:HG12	1:49:A:LEU:HB2	3	0.26	0.13	0.18
(1,1555)	1:82:A:VAL:HG12	1:49:A:LEU:HB3	3	0.26	0.13	0.18
(1,1555)	1:82:A:VAL:HG13	1:49:A:LEU:HB2	3	0.26	0.13	0.18
(1,1555)	1:82:A:VAL:HG13	1:49:A:LEU:HB3	3	0.26	0.13	0.18
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD11	3	0.23	0.08	0.26
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD12	3	0.23	0.08	0.26
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD13	3	0.23	0.08	0.26
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD11	3	0.23	0.08	0.26
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD12	3	0.23	0.08	0.26
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD13	3	0.23	0.08	0.26
(2,69)	1:87:A:LEU:H	1:85:A:TYR:H	3	0.17	0.05	0.2
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG11	3	0.14	0.04	0.12
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG12	3	0.14	0.04	0.12
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG13	3	0.14	0.04	0.12
(1,2123)	1:138:A:LEU:HG	1:140:A:VAL:HA	3	0.13	0.01	0.14
(1,2121)	1:133:A:ILE:HD11	1:140:A:VAL:HA	3	0.13	0.03	0.11
(1,2121)	1:133:A:ILE:HD12	1:140:A:VAL:HA	3	0.13	0.03	0.11
(1,2121)	1:133:A:ILE:HD13	1:140:A:VAL:HA	3	0.13	0.03	0.11
(1,912)	1:156:A:ARG:H	1:155:A:GLU:HG2	3	0.13	0.03	0.11
(1,912)	1:156:A:ARG:H	1:155:A:GLU:HG3	3	0.13	0.03	0.11
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD21	3	0.13	0.0	0.13
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD22	3	0.13	0.0	0.13
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD23	3	0.13	0.0	0.13
(1,2036)	1:55:A:THR:H	1:55:A:THR:HB	3	0.13	0.02	0.12
(1,1495)	1:118:A:TYR:HD1	1:115:A:PHE:HB2	3	0.12	0.01	0.13
(1,1495)	1:118:A:TYR:HD1	1:115:A:PHE:HB3	3	0.12	0.01	0.13
(1,1495)	1:118:A:TYR:HD2	1:115:A:PHE:HB2	3	0.12	0.01	0.13
(1,1495)	1:118:A:TYR:HD2	1:115:A:PHE:HB3	3	0.12	0.01	0.13
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB1	3	0.12	0.01	0.11
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB2	3	0.12	0.01	0.11
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB3	3	0.12	0.01	0.11
(2,1)	1:101:A:LEU:HG	1:98:A:LEU:HG	3	0.12	0.02	0.11
(1,180)	1:104:A:LEU:HB2	1:51:A:LEU:HB2	3	0.12	0.0	0.12
(1,180)	1:104:A:LEU:HB2	1:51:A:LEU:HB3	3	0.12	0.0	0.12
(1,180)	1:104:A:LEU:HB3	1:51:A:LEU:HB2	3	0.12	0.0	0.12
(1,180)	1:104:A:LEU:HB3	1:51:A:LEU:HB3	3	0.12	0.0	0.12
(1,1602)	1:104:A:LEU:HB2	1:51:A:LEU:HB2	3	0.12	0.0	0.12
(1,1602)	1:104:A:LEU:HB2	1:51:A:LEU:HB3	3	0.12	0.0	0.12
(1,1602)	1:104:A:LEU:HB3	1:51:A:LEU:HB2	3	0.12	0.0	0.12
(1,1602)	1:104:A:LEU:HB3	1:51:A:LEU:HB3	3	0.12	0.0	0.12
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG11	3	0.11	0.01	0.12
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG12	3	0.11	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG13	3	0.11	0.01	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG11	3	0.11	0.01	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG12	3	0.11	0.01	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG13	3	0.11	0.01	0.12
(1,1329)	1:36:A:LYS:H	1:36:A:LYS:HA	3	0.11	0.01	0.11
(1,1920)	1:82:A:VAL:H	1:114:A:LYS:HB2	3	0.11	0.01	0.1
(1,1920)	1:82:A:VAL:H	1:114:A:LYS:HB3	3	0.11	0.01	0.1
(1,3023)	1:74:A:ASP:HA	1:74:A:ASP:H	3	0.1	0.0	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG21	3	0.1	0.0	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG22	3	0.1	0.0	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG23	3	0.1	0.0	0.1
(1,3586)	1:170:A:GLU:HB2	1:171:A:HIS:H	3	0.1	0.0	0.1
(1,3586)	1:170:A:GLU:HB3	1:171:A:HIS:H	3	0.1	0.0	0.1
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG21	2	1.02	0.07	1.02
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG22	2	1.02	0.07	1.02
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG23	2	1.02	0.07	1.02
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG21	2	1.02	0.07	1.02
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG22	2	1.02	0.07	1.02
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG23	2	1.02	0.07	1.02
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD11	2	0.67	0.49	0.67
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD12	2	0.67	0.49	0.67
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD13	2	0.67	0.49	0.67
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD11	2	0.41	0.11	0.41
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD12	2	0.41	0.11	0.41
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD13	2	0.41	0.11	0.41
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD11	2	0.41	0.11	0.41
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD12	2	0.41	0.11	0.41
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD13	2	0.41	0.11	0.41
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD11	2	0.41	0.11	0.41
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD12	2	0.41	0.11	0.41
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD13	2	0.41	0.11	0.41
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG21	2	0.29	0.18	0.29
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG22	2	0.29	0.18	0.29
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG23	2	0.29	0.18	0.29
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG21	2	0.24	0.04	0.24
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG22	2	0.24	0.04	0.24
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG23	2	0.24	0.04	0.24
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD11	2	0.23	0.12	0.23
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD12	2	0.23	0.12	0.23
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD13	2	0.23	0.12	0.23
(1,3142)	1:104:A:LEU:HD11	1:107:A:LYS:H	2	0.23	0.12	0.23
(1,3142)	1:104:A:LEU:HD12	1:107:A:LYS:H	2	0.23	0.12	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3142)	1:104:A:LEU:HD13	1:107:A:LYS:H	2	0.23	0.12	0.23
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG21	2	0.22	0.03	0.22
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG22	2	0.22	0.03	0.22
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG23	2	0.22	0.03	0.22
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG21	2	0.22	0.03	0.22
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG22	2	0.22	0.03	0.22
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG23	2	0.22	0.03	0.22
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD11	2	0.22	0.07	0.22
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD12	2	0.22	0.07	0.22
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD13	2	0.22	0.07	0.22
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD11	2	0.22	0.07	0.22
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD12	2	0.22	0.07	0.22
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD13	2	0.22	0.07	0.22
(1,2875)	1:49:A:LEU:HD11	1:46:A:TYR:H	2	0.2	0.03	0.2
(1,2875)	1:49:A:LEU:HD12	1:46:A:TYR:H	2	0.2	0.03	0.2
(1,2875)	1:49:A:LEU:HD13	1:46:A:TYR:H	2	0.2	0.03	0.2
(1,1857)	1:107:A:LYS:HA	1:107:A:LYS:HG2	2	0.18	0.02	0.18
(1,1857)	1:107:A:LYS:HA	1:107:A:LYS:HG3	2	0.18	0.02	0.18
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD21	2	0.18	0.01	0.18
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD22	2	0.18	0.01	0.18
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD23	2	0.18	0.01	0.18
(1,925)	1:152:A:LEU:HA	1:155:A:GLU:HG2	2	0.16	0.03	0.16
(1,925)	1:152:A:LEU:HA	1:155:A:GLU:HG3	2	0.16	0.03	0.16
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD11	2	0.16	0.02	0.16
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD12	2	0.16	0.02	0.16
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD13	2	0.16	0.02	0.16
(1,3193)	1:97:A:PHE:H	1:94:A:GLY:H	2	0.16	0.01	0.16
(1,1971)	1:96:A:TRP:HD1	1:96:A:TRP:HA	2	0.15	0.01	0.15
(1,3718)	1:84:A:LEU:HD21	1:84:A:LEU:H	2	0.15	0.0	0.15
(1,3718)	1:84:A:LEU:HD22	1:84:A:LEU:H	2	0.15	0.0	0.15
(1,3718)	1:84:A:LEU:HD23	1:84:A:LEU:H	2	0.15	0.0	0.15
(1,2218)	1:159:A:SER:H	1:155:A:GLU:HA	2	0.14	0.03	0.14
(1,393)	1:133:A:ILE:HD11	1:138:A:LEU:HG	2	0.13	0.02	0.13
(1,393)	1:133:A:ILE:HD12	1:138:A:LEU:HG	2	0.13	0.02	0.13
(1,393)	1:133:A:ILE:HD13	1:138:A:LEU:HG	2	0.13	0.02	0.13
(1,1105)	1:169:A:ALA:HA	1:172:A:TYR:HB2	2	0.12	0.01	0.12
(1,1105)	1:169:A:ALA:HA	1:172:A:TYR:HB3	2	0.12	0.01	0.12
(1,1442)	1:171:A:HIS:HD2	1:168:A:MET:HA	2	0.12	0.02	0.12
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG21	2	0.12	0.02	0.12
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG22	2	0.12	0.02	0.12
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG23	2	0.12	0.02	0.12
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG11	2	0.12	0.02	0.12

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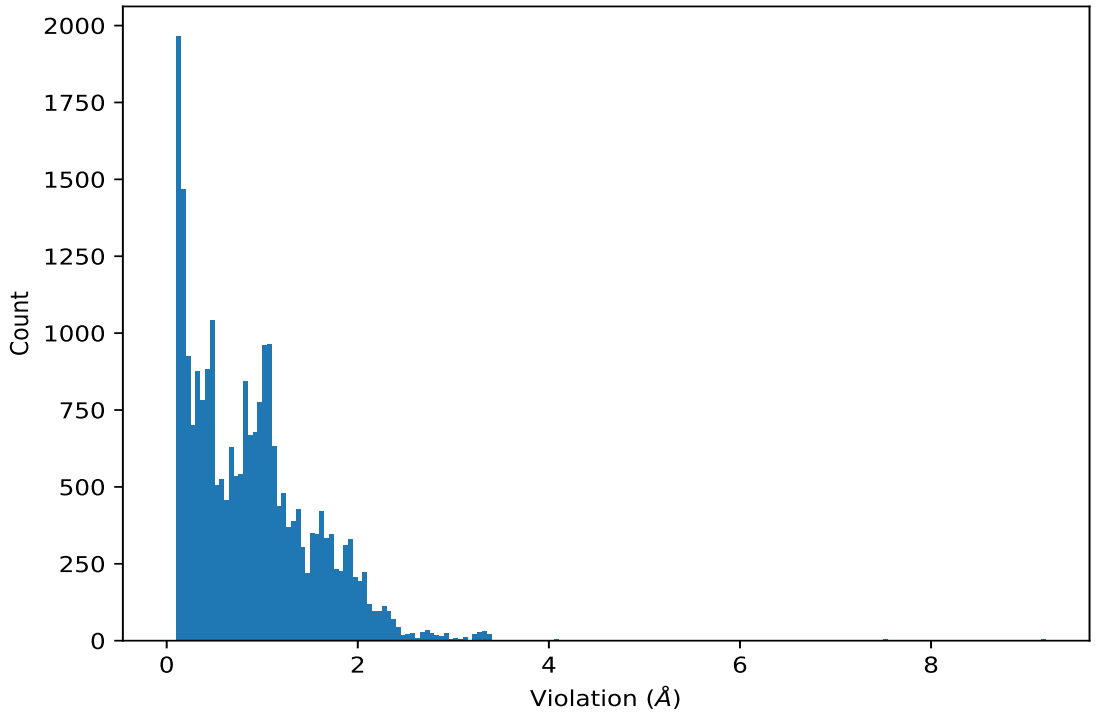
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG12	2	0.12	0.02	0.12
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG13	2	0.12	0.02	0.12
(1,178)	1:19:A:GLU:HA	1:22:A:ARG:HD2	2	0.12	0.0	0.12
(1,178)	1:19:A:GLU:HA	1:22:A:ARG:HD3	2	0.12	0.0	0.12
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG21	2	0.12	0.0	0.12
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG22	2	0.12	0.0	0.12
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG23	2	0.12	0.0	0.12
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG21	2	0.12	0.0	0.12
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG22	2	0.12	0.0	0.12
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG23	2	0.12	0.0	0.12
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE1	2	0.12	0.0	0.12
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE2	2	0.12	0.0	0.12
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE3	2	0.12	0.0	0.12
(1,185)	1:130:A:LYS:HA	1:130:A:LYS:HE2	2	0.11	0.01	0.11
(1,185)	1:130:A:LYS:HA	1:130:A:LYS:HE3	2	0.11	0.01	0.11
(1,3059)	1:76:A:ASN:HA	1:78:A:GLU:H	2	0.11	0.01	0.11
(1,1362)	1:43:A:MET:H	1:40:A:PRO:HA	2	0.1	0.0	0.1
(1,3221)	1:98:A:LEU:HB2	1:101:A:LEU:H	2	0.1	0.0	0.1
(1,3221)	1:98:A:LEU:HB3	1:101:A:LEU:H	2	0.1	0.0	0.1
(1,3678)	1:64:A:ASP:HB2	1:62:A:GLN:HE21	2	0.1	0.0	0.1
(1,3678)	1:64:A:ASP:HB2	1:62:A:GLN:HE22	2	0.1	0.0	0.1
(1,3678)	1:64:A:ASP:HB3	1:62:A:GLN:HE21	2	0.1	0.0	0.1
(1,3678)	1:64:A:ASP:HB3	1:62:A:GLN:HE22	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:13:A:TYR:HE1	1:16:A:MET:HE1	15	9.18
(1,2509)	1:13:A:TYR:HE1	1:16:A:MET:HE2	15	9.18
(1,2509)	1:13:A:TYR:HE1	1:16:A:MET:HE3	15	9.18
(1,2509)	1:13:A:TYR:HE2	1:16:A:MET:HE1	15	9.18
(1,2509)	1:13:A:TYR:HE2	1:16:A:MET:HE2	15	9.18
(1,2509)	1:13:A:TYR:HE2	1:16:A:MET:HE3	15	9.18
(1,2508)	1:13:A:TYR:HD1	1:16:A:MET:HE1	15	7.52
(1,2508)	1:13:A:TYR:HD1	1:16:A:MET:HE2	15	7.52
(1,2508)	1:13:A:TYR:HD1	1:16:A:MET:HE3	15	7.52
(1,2508)	1:13:A:TYR:HD2	1:16:A:MET:HE1	15	7.52
(1,2508)	1:13:A:TYR:HD2	1:16:A:MET:HE2	15	7.52
(1,2508)	1:13:A:TYR:HD2	1:16:A:MET:HE3	15	7.52
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	17	4.65
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	15	4.61
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	16	4.6
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	5	4.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	3	4.53
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	12	4.32
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	16	4.06
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	16	4.06
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	16	4.06
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	16	4.06
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	10	3.37
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	10	3.37
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	10	3.37
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	10	3.37
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	10	3.37
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	10	3.37
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	10	3.37
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	10	3.37
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	10	3.37
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	7	3.37
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	7	3.37
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	7	3.37
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	7	3.37
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	7	3.37
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	7	3.37
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	11	3.37
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	11	3.37
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	11	3.37
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	11	3.37
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	11	3.37
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	11	3.37
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	3	3.32
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	3	3.32
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	3	3.32
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	3	3.32
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	3	3.32
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	3	3.32
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	9	3.32
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	9	3.32
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	9	3.32
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	9	3.32
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	9	3.32
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	9	3.32
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	18	3.31
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	18	3.31
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	18	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	18	3.31
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	18	3.31
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	18	3.31
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	12	3.3
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	12	3.3
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	12	3.3
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	12	3.3
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	12	3.3
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	12	3.3
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	20	3.3
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	20	3.3
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	20	3.3
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	20	3.3
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	20	3.3
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	20	3.3
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	2	3.27
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	2	3.27
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	2	3.27
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	2	3.27
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	2	3.27
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	2	3.27
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	10	3.26
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	10	3.26
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	10	3.26
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	10	3.26
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	10	3.26
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	10	3.26
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	11	3.25
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	11	3.25
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	11	3.25
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	11	3.25
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	11	3.25
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	11	3.25
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	11	3.25
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	11	3.25
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	11	3.25
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	1	3.25
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	1	3.25
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	1	3.25
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	1	3.25
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	1	3.25
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	1	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	17	3.24
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	17	3.24
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	17	3.24
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	17	3.24
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	17	3.24
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	17	3.24
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	17	3.24
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	17	3.24
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	17	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	4	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	4	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	4	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	4	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	4	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	4	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	8	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	8	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	8	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	8	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	8	3.24
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	8	3.24
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	13	3.14
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	13	3.14
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	13	3.14
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	13	3.14
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	13	3.14
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	13	3.14
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	14	3.1
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	14	3.1
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	14	3.1
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	14	3.1
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	14	3.1
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	14	3.1
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	5	3.09
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	5	3.09
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	5	3.09
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	5	3.09
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	5	3.09
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	5	3.09
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	6	3.0
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	6	3.0
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	6	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	6	3.0
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	6	3.0
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	6	3.0
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	6	3.0
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	6	3.0
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	6	3.0
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	19	2.98
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	19	2.98
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	19	2.98
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	19	2.98
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	19	2.98
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	19	2.98
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	15	2.92
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	15	2.92
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	15	2.92
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	15	2.92
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	15	2.92
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	15	2.92
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	4	2.91
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	4	2.91
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	4	2.91
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	4	2.91
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	4	2.91
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	4	2.91
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	4	2.91
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	4	2.91
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	4	2.91
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	13	2.9
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	13	2.9
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	13	2.9
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	13	2.9
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	13	2.9
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	13	2.9
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	13	2.9
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	13	2.9
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	13	2.9
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	2	2.89
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	2	2.89
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	2	2.89
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	2	2.89
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	2	2.89
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	2	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	2	2.89
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	2	2.89
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	2	2.89
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	17	2.88
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	17	2.88
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	17	2.88
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	17	2.88
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	17	2.88
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	17	2.88
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	3	2.83
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	3	2.83
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	3	2.83
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	3	2.83
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	9	2.8
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	9	2.8
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	9	2.8
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	9	2.8
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	12	2.8
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	12	2.8
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	12	2.8
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	12	2.8
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	12	2.8
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	12	2.8
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	12	2.8
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	12	2.8
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	12	2.8
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	7	2.78
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	7	2.78
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	7	2.78
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	1	2.77
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	1	2.77
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	1	2.77
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	1	2.77
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	14	2.77
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	14	2.77
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	14	2.77
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	14	2.77
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	14	2.77
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	14	2.77
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	14	2.77
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	14	2.77
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	14	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	20	2.76
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	20	2.76
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	20	2.76
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	20	2.76
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	20	2.76
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	20	2.76
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	20	2.76
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	20	2.76
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	20	2.76
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	1	2.74
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	1	2.74
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	1	2.74
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	5	2.74
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	5	2.74
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	5	2.74
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	9	2.72
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	9	2.72
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	9	2.72
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	12	2.72
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	12	2.72
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	12	2.72
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	17	2.71
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	17	2.71
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	17	2.71
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	17	2.71
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	9	2.71
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	9	2.71
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	9	2.71
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	9	2.71
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	9	2.71
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	9	2.71
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	9	2.71
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	9	2.71
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	9	2.71
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	3	2.7
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	3	2.7
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	3	2.7
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	3	2.7
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	2	2.7
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	2	2.7
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	2	2.7
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	3	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	3	2.7
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	3	2.7
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD21	18	2.69
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD22	18	2.69
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD23	18	2.69
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	11	2.69
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	11	2.69
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	11	2.69
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	6	2.68
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	6	2.68
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	6	2.68
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	6	2.68
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	18	2.68
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	18	2.68
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	18	2.68
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	18	2.68
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	8	2.67
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	8	2.67
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	8	2.67
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	8	2.67
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	7	2.66
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	7	2.66
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	7	2.66
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	7	2.66
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	7	2.66
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	7	2.66
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	7	2.66
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	7	2.66
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	7	2.66
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	4	2.64
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	4	2.64
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	4	2.64
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	20	2.63
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	20	2.63
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	20	2.63
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	20	2.63
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	17	2.58
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	17	2.58
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	17	2.58
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	3	2.58
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	3	2.58
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	3	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	3	2.58
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	3	2.58
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	3	2.58
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	3	2.58
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	3	2.58
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	3	2.58
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	14	2.57
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	14	2.57
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	14	2.57
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	15	2.57
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	15	2.57
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	15	2.57
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	19	2.57
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	19	2.57
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	19	2.57
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	10	2.56
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	10	2.56
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	10	2.56
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	10	2.56
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	14	2.53
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	14	2.53
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	14	2.53
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	7	2.53
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	7	2.53
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	7	2.53
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	7	2.53
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	14	2.53
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	14	2.53
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	14	2.53
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	19	2.52
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	19	2.52
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	19	2.52
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	5	2.51
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	5	2.51
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	5	2.51
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	5	2.51
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	5	2.51
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	5	2.51
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	14	2.5
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	14	2.5
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	14	2.5
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	16	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	16	2.49
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	16	2.49
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	20	2.47
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	20	2.47
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	20	2.47
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG2	4	2.47
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG3	4	2.47
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG2	4	2.47
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG3	4	2.47
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG2	4	2.47
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG3	4	2.47
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	17	2.46
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	17	2.46
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	17	2.46
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	17	2.46
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	17	2.46
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	17	2.46
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	9	2.44
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	9	2.44
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	9	2.44
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	5	2.43
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	5	2.43
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	5	2.43
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	5	2.42
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	5	2.42
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	5	2.42
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	3	2.41
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	3	2.41
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	3	2.41
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	5	2.41
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	5	2.41
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	5	2.41
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	3	2.41
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	3	2.41
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	3	2.41
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	14	2.41
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	14	2.41
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	14	2.41
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	6	2.4
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	6	2.4
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	6	2.4
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	10	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	10	2.4
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	10	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	1	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	1	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	1	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	4	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	4	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	4	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	6	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	6	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	6	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	8	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	8	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	8	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	9	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	9	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	9	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	17	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	17	2.4
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	17	2.4
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	7	2.39
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	7	2.39
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	7	2.39
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	7	2.39
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	7	2.39
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	7	2.39
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	1	2.38
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	1	2.38
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	1	2.38
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	20	2.38
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	20	2.38
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	20	2.38
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	7	2.38
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	7	2.38
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	7	2.38
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	11	2.38
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	11	2.38
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	11	2.38
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	14	2.37
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	14	2.37
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	14	2.37
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	14	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	14	2.37
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	14	2.37
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	12	2.37
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	12	2.37
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	12	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	12	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	12	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	12	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	16	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	16	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	16	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	18	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	18	2.37
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	18	2.37
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	18	2.37
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	18	2.37
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	18	2.37
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	18	2.37
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	18	2.37
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	18	2.37
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	15	2.36
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	15	2.36
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	15	2.36
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	15	2.36
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	15	2.36
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	15	2.36
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	12	2.35
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	12	2.35
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	12	2.35
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	12	2.35
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	12	2.35
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	12	2.35
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	12	2.35
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	12	2.35
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	12	2.35
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	12	2.35
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	12	2.35
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	12	2.35
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	19	2.35
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	19	2.35
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	19	2.35
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	9	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	9	2.35
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	9	2.35
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	9	2.35
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	9	2.35
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	9	2.35
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	20	2.34
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	20	2.34
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	20	2.34
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	20	2.34
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	17	2.34
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	17	2.34
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	17	2.34
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	14	2.34
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	14	2.34
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	14	2.34
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	14	2.34
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	14	2.34
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	14	2.34
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	2	2.34
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	2	2.34
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	2	2.34
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	18	2.34
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	18	2.34
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	18	2.34
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	18	2.34
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	18	2.34
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	18	2.34
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	18	2.34
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	18	2.34
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	18	2.34
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	2	2.33
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	2	2.33
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	2	2.33
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	8	2.33
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	8	2.33
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	8	2.33
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	20	2.33
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	20	2.33
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	20	2.33
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	5	2.33
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	5	2.33
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	2	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	2	2.33
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	2	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	2	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	2	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	2	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	8	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	8	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	8	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	20	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	20	2.33
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	20	2.33
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	3	2.33
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	3	2.33
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	3	2.33
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	10	2.33
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	10	2.33
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	10	2.33
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	5	2.33
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	5	2.33
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	20	2.33
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	20	2.33
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	20	2.33
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	20	2.33
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	20	2.33
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	20	2.33
(1,539)	1:47:A:ASP:HB2	1:48:A:VAL:HG21	15	2.32
(1,539)	1:47:A:ASP:HB2	1:48:A:VAL:HG22	15	2.32
(1,539)	1:47:A:ASP:HB2	1:48:A:VAL:HG23	15	2.32
(1,539)	1:47:A:ASP:HB3	1:48:A:VAL:HG21	15	2.32
(1,539)	1:47:A:ASP:HB3	1:48:A:VAL:HG22	15	2.32
(1,539)	1:47:A:ASP:HB3	1:48:A:VAL:HG23	15	2.32
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	11	2.31
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	11	2.31
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	11	2.31
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	14	2.31
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	14	2.31
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	14	2.31
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	3	2.31
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	3	2.31
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	3	2.31
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	11	2.31
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	11	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	11	2.31
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	17	2.3
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	17	2.3
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	17	2.3
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	13	2.3
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	13	2.3
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	13	2.3
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	3	2.3
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	3	2.3
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	3	2.3
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	1	2.3
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	1	2.3
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	1	2.3
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	1	2.3
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	1	2.3
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	1	2.3
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	18	2.29
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	18	2.29
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	18	2.29
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG21	13	2.29
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG22	13	2.29
(1,1208)	1:32:A:LEU:H	1:30:A:VAL:HG23	13	2.29
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	11	2.29
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	11	2.29
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	11	2.29
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	11	2.29
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	11	2.29
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	11	2.29
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	11	2.28
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	11	2.28
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	11	2.28
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	19	2.27
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	19	2.27
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	19	2.27
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	17	2.27
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	17	2.27
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	17	2.27
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	17	2.27
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	17	2.27
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	17	2.27
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	10	2.27
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	10	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	10	2.27
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG2	16	2.27
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG3	16	2.27
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG2	16	2.27
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG3	16	2.27
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG2	16	2.27
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG3	16	2.27
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	19	2.27
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	19	2.27
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	19	2.27
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	19	2.27
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	19	2.27
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	19	2.27
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	9	2.26
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	9	2.26
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	9	2.26
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	10	2.26
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	10	2.26
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	10	2.26
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	20	2.26
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	20	2.26
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	20	2.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	14	2.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	14	2.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	14	2.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	14	2.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	14	2.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	14	2.26
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	14	2.26
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	14	2.26
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	14	2.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	14	2.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	14	2.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	14	2.26
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	9	2.26
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	9	2.26
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	9	2.26
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	10	2.26
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	10	2.26
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	10	2.26
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	7	2.26
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	7	2.26
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	7	2.26
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	7	2.26
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	7	2.26
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	18	2.26
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	18	2.26
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	18	2.26
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	18	2.26
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	18	2.26
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	18	2.26
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG2	17	2.26
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG3	17	2.26
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG2	17	2.26
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG3	17	2.26
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG2	17	2.26
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG3	17	2.26
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	12	2.25
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	12	2.25
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	12	2.25
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	18	2.25
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	18	2.25
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	18	2.25
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	3	2.25
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	3	2.25
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	3	2.25
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	8	2.25
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	8	2.25
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	8	2.25
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	19	2.25
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	19	2.25
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	19	2.25
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	11	2.25
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	11	2.25
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	11	2.25
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	11	2.25
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	11	2.25
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	11	2.25
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	12	2.25
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	12	2.25
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	12	2.25
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	18	2.25
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	18	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	18	2.25
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	2	2.24
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	2	2.24
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	18	2.24
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	18	2.24
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	18	2.24
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	2	2.24
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	2	2.24
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	16	2.24
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	16	2.24
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	16	2.24
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	16	2.24
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	16	2.24
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	16	2.24
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	3	2.24
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	3	2.24
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	3	2.24
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	3	2.24
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	3	2.24
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	3	2.24
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	5	2.24
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	5	2.24
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	5	2.24
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	5	2.24
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	5	2.24
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	5	2.24
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	15	2.23
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	15	2.23
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	15	2.23
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	3	2.23
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	3	2.23
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	3	2.23
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	3	2.23
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	3	2.23
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	3	2.23
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	7	2.23
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	7	2.23
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	7	2.23
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	7	2.23
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	7	2.23
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	7	2.23
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	10	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	10	2.23
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	10	2.23
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	10	2.23
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	10	2.23
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	10	2.23
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	13	2.22
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	13	2.22
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	13	2.22
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	20	2.22
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	20	2.22
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	20	2.22
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	3	2.22
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	3	2.22
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	3	2.22
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	3	2.22
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	3	2.22
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	3	2.22
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	12	2.22
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	12	2.22
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	12	2.22
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	12	2.22
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	12	2.22
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	12	2.22
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	4	2.21
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	4	2.21
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	4	2.21
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	4	2.21
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	4	2.21
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	4	2.21
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	14	2.21
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	14	2.21
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	14	2.21
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	15	2.21
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	15	2.21
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	15	2.21
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	17	2.2
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	17	2.2
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	2	2.2
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	2	2.2
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	2	2.2
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	11	2.2
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	11	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	11	2.2
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	11	2.2
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	11	2.2
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	11	2.2
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	17	2.2
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	17	2.2
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	10	2.2
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	10	2.2
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	10	2.2
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	10	2.2
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	10	2.2
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	10	2.2
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	7	2.19
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	7	2.19
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	7	2.19
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	12	2.19
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	12	2.19
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	12	2.19
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	10	2.19
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	10	2.19
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	10	2.19
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	10	2.19
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	10	2.19
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	10	2.19
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	13	2.19
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	13	2.19
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	13	2.19
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	13	2.19
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	13	2.19
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	13	2.19
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	1	2.18
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	1	2.18
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	11	2.18
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	11	2.18
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	11	2.18
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	6	2.18
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	6	2.18
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	6	2.18
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	20	2.18
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	20	2.18
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	20	2.18
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	20	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	20	2.18
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	20	2.18
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	1	2.18
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	1	2.18
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	16	2.18
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	16	2.18
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	16	2.18
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	16	2.18
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	16	2.18
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	16	2.18
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	3	2.17
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	3	2.17
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	3	2.17
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	2	2.17
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	2	2.17
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	2	2.17
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	3	2.17
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	3	2.17
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	3	2.17
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	7	2.17
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	7	2.17
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	7	2.17
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	6	2.17
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	6	2.17
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	6	2.17
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	11	2.17
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	11	2.17
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	11	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	2	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	2	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	2	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	3	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	3	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	3	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	7	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	7	2.17
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	7	2.17
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	10	2.16
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	10	2.16
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	10	2.16
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	8	2.16
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	8	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	8	2.16
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	8	2.16
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	8	2.16
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	8	2.16
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	9	2.16
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	9	2.16
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	9	2.16
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	9	2.16
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	9	2.16
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	9	2.16
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	9	2.16
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	9	2.16
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	9	2.16
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	15	2.16
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	15	2.16
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	15	2.16
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	15	2.16
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	15	2.16
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	15	2.16
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	16	2.15
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	16	2.15
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	16	2.15
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	16	2.15
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	16	2.15
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	16	2.15
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	6	2.14
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	6	2.14
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	6	2.14
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	10	2.14
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	10	2.14
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	7	2.14
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	7	2.14
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	7	2.14
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	2	2.14
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	2	2.14
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	2	2.14
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	6	2.14
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	6	2.14
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	6	2.14
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	13	2.14
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	13	2.14
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	13	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	10	2.14
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	10	2.14
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	2	2.14
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	2	2.14
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	2	2.14
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	2	2.14
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	2	2.14
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	2	2.14
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	2	2.14
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	2	2.14
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	2	2.14
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	2	2.14
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	2	2.14
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	2	2.14
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD21	18	2.13
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD22	18	2.13
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD23	18	2.13
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD21	18	2.13
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD22	18	2.13
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD23	18	2.13
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	7	2.12
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	7	2.12
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	7	2.12
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	14	2.12
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	14	2.12
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	14	2.12
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	14	2.12
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	14	2.12
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	14	2.12
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	15	2.12
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	15	2.12
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	15	2.12
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	15	2.12
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	15	2.12
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	15	2.12
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	15	2.12
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	15	2.12
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	15	2.12
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	17	2.12
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	17	2.12
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	17	2.12
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	4	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	4	2.12
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	4	2.12
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	4	2.12
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	4	2.12
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	4	2.12
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	20	2.12
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	20	2.12
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	20	2.12
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	20	2.12
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	20	2.12
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	20	2.12
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	13	2.11
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	13	2.11
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	13	2.11
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	13	2.11
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	13	2.11
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	13	2.11
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	7	2.11
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	7	2.11
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	7	2.11
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	19	2.11
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	19	2.11
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	19	2.11
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	19	2.11
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	19	2.11
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	19	2.11
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	19	2.11
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	19	2.11
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	19	2.11
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	20	2.11
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	20	2.11
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	20	2.11
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	8	2.11
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	8	2.11
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	8	2.11
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	8	2.11
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	8	2.11
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	8	2.11
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	19	2.11
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	19	2.11
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	19	2.11
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	19	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	19	2.11
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	19	2.11
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	9	2.1
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	9	2.1
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	9	2.1
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	6	2.1
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	6	2.1
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	6	2.1
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	6	2.1
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	6	2.1
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	6	2.1
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG2	18	2.1
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG3	18	2.1
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG2	18	2.1
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG3	18	2.1
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG2	18	2.1
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG3	18	2.1
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	20	2.09
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	20	2.09
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	20	2.09
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	12	2.09
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	12	2.09
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	12	2.09
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	3	2.09
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	3	2.09
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	3	2.09
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	11	2.09
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	11	2.09
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	11	2.09
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	11	2.09
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	11	2.09
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	11	2.09
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	11	2.09
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	11	2.09
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	11	2.09
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	11	2.09
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	11	2.09
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	11	2.09
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	5	2.09
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	5	2.09
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	5	2.09
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	5	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	5	2.09
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	5	2.09
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	5	2.09
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	5	2.09
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	5	2.09
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	8	2.09
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	8	2.09
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	8	2.09
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	8	2.09
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	8	2.09
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	8	2.09
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	14	2.09
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	14	2.09
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	14	2.09
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	14	2.09
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	14	2.09
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	14	2.09
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	16	2.08
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	16	2.08
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	16	2.08
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	2	2.08
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	2	2.08
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	2	2.08
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	5	2.08
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	5	2.08
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	5	2.08
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	8	2.08
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	8	2.08
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	8	2.08
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	9	2.08
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	9	2.08
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	9	2.08
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	8	2.08
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	8	2.08
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	8	2.08
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	9	2.08
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	9	2.08
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	9	2.08
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	14	2.07
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	14	2.07
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	14	2.07
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	14	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	14	2.07
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	14	2.07
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	16	2.07
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	16	2.07
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	16	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	1	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	1	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	1	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	13	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	13	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	13	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	15	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	15	2.07
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	15	2.07
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	10	2.07
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	10	2.07
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	10	2.07
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	10	2.07
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	10	2.07
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	10	2.07
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	8	2.07
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	8	2.07
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	8	2.07
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	1	2.07
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	1	2.07
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	1	2.07
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	1	2.07
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	1	2.07
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	1	2.07
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	19	2.06
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	19	2.06
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	19	2.06
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	19	2.06
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	19	2.06
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	19	2.06
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	13	2.06
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	13	2.06
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	13	2.06
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	13	2.06
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	13	2.06
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	13	2.06
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	2	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	2	2.06
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	2	2.06
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	2	2.06
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	2	2.06
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	2	2.06
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	6	2.06
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	6	2.06
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	6	2.06
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	6	2.06
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	6	2.06
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	6	2.06
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	5	2.05
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	5	2.05
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	5	2.05
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	5	2.05
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	5	2.05
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	5	2.05
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	5	2.05
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	5	2.05
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	5	2.05
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	14	2.05
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	14	2.05
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	14	2.05
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	14	2.05
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	14	2.05
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	14	2.05
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	14	2.05
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	14	2.05
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	14	2.05
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	13	2.05
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	13	2.05
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	13	2.05
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	6	2.05
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	6	2.05
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	6	2.05
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	10	2.05
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	10	2.05
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	10	2.05
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	16	2.05
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	16	2.05
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	16	2.05
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	18	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	18	2.05
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	18	2.05
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	19	2.05
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	19	2.05
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	19	2.05
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	16	2.05
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	16	2.05
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	16	2.05
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	18	2.05
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	18	2.05
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	18	2.05
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	13	2.05
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	13	2.05
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	13	2.05
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	5	2.05
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	5	2.05
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	5	2.05
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	5	2.05
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	5	2.05
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	5	2.05
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	5	2.05
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	5	2.05
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	5	2.05
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	14	2.05
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	14	2.05
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	14	2.05
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	14	2.05
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	14	2.05
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	14	2.05
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	14	2.05
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	14	2.05
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	14	2.05
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	1	2.05
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	1	2.05
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	1	2.05
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	1	2.05
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	1	2.05
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	1	2.05
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	1	2.05
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	1	2.05
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	1	2.05
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	19	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	19	2.05
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	19	2.05
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	19	2.05
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	19	2.05
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	19	2.05
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	1	2.05
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	1	2.05
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	1	2.05
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	1	2.05
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	1	2.05
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	1	2.05
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	12	2.05
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	12	2.05
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	12	2.05
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	12	2.05
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	12	2.05
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	12	2.05
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	15	2.05
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	15	2.05
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	15	2.05
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	15	2.05
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	15	2.05
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	15	2.05
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	12	2.05
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	12	2.05
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	12	2.05
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	12	2.05
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	12	2.05
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	12	2.05
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	19	2.04
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	19	2.04
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	19	2.04
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	18	2.04
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	18	2.04
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	16	2.04
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	16	2.04
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	16	2.04
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	18	2.04
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	18	2.04
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	18	2.04
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	12	2.04
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	12	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	12	2.04
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	19	2.04
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	19	2.04
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	19	2.04
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	12	2.04
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	12	2.04
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	12	2.04
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	18	2.04
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	18	2.04
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	2	2.04
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	2	2.04
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	2	2.04
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	2	2.04
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	2	2.04
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	2	2.04
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	9	2.04
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	9	2.04
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	9	2.04
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	9	2.04
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	9	2.04
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	9	2.04
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	15	2.03
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	15	2.03
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	15	2.03
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	15	2.03
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	15	2.03
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	15	2.03
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	15	2.03
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	15	2.03
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	15	2.03
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	15	2.03
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	15	2.03
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	15	2.03
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	7	2.03
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	7	2.03
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	7	2.03
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	7	2.03
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	7	2.03
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	7	2.03
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	15	2.03
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	15	2.03
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	15	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	15	2.03
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	15	2.03
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	15	2.03
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	15	2.03
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	15	2.03
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	15	2.03
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	15	2.03
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	15	2.03
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	15	2.03
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	4	2.03
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	4	2.03
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	4	2.03
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	4	2.03
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	4	2.03
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	4	2.03
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	13	2.03
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	13	2.03
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	13	2.03
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	13	2.03
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	13	2.03
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	13	2.03
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	17	2.03
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	17	2.03
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	17	2.03
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	17	2.03
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	17	2.03
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	17	2.03
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	12	2.02
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	12	2.02
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	12	2.02
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	20	2.02
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	20	2.02
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	20	2.02
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	20	2.02
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	20	2.02
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	20	2.02
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	10	2.02
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	10	2.02
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	10	2.02
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	5	2.02
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	5	2.02
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	5	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	11	2.02
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	11	2.02
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	11	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	3	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	3	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	3	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	3	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	3	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	3	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	11	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	11	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	11	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	11	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	11	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	11	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	15	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	15	2.02
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	15	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	15	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	15	2.02
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	15	2.02
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	11	2.02
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	11	2.02
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	11	2.02
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	11	2.02
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	11	2.02
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	11	2.02
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	16	2.02
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	16	2.02
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	16	2.02
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	16	2.02
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	16	2.02
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	16	2.02
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	1	2.01
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	1	2.01
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	1	2.01
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	13	2.01
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	13	2.01
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	13	2.01
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	5	2.01
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	5	2.01
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	5	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	6	2.01
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	6	2.01
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	6	2.01
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	4	2.01
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	4	2.01
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	4	2.01
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	4	2.01
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	4	2.01
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	4	2.01
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	10	2.01
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	10	2.01
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	10	2.01
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	2	2.01
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	2	2.01
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	2	2.01
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	9	2.01
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	9	2.01
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	9	2.01
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG2	15	2.01
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG3	15	2.01
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG2	15	2.01
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG3	15	2.01
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG2	15	2.01
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG3	15	2.01
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	1	2.0
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	1	2.0
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	1	2.0
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	11	2.0
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	11	2.0
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	11	2.0
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	11	2.0
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	11	2.0
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	11	2.0
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	10	2.0
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	10	2.0
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	10	2.0
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	6	2.0
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	6	2.0
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	6	2.0
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	1	2.0
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	1	2.0
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	1	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	6	2.0
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	6	2.0
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	6	2.0
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	1	2.0
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	1	2.0
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	1	2.0
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	6	2.0
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	6	2.0
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	6	2.0
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	6	2.0
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	6	2.0
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	6	2.0
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	4	1.99
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	4	1.99
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	4	1.99
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	13	1.99
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	13	1.99
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	13	1.99
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	3	1.99
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	3	1.99
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	3	1.99
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	3	1.99
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	3	1.99
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	3	1.99
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	3	1.99
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	3	1.99
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	3	1.99
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	15	1.99
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	15	1.99
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	15	1.99
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	15	1.99
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	15	1.99
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	15	1.99
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	14	1.99
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	14	1.99
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	14	1.99
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	20	1.99
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	20	1.99
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	20	1.99
(1,1402)	1:140:A:VAL:HG21	1:133:A:ILE:HB	4	1.99
(1,1402)	1:140:A:VAL:HG22	1:133:A:ILE:HB	4	1.99
(1,1402)	1:140:A:VAL:HG23	1:133:A:ILE:HB	4	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	11	1.99
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	11	1.99
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	11	1.99
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	11	1.99
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	11	1.99
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	11	1.99
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	10	1.99
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	10	1.99
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	10	1.99
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	8	1.99
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	8	1.99
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	8	1.99
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	8	1.99
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	8	1.99
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	8	1.99
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	15	1.98
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	15	1.98
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	15	1.98
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	1	1.98
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	1	1.98
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	1	1.98
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	9	1.98
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	9	1.98
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	9	1.98
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	12	1.98
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	12	1.98
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	12	1.98
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	17	1.98
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	17	1.98
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	17	1.98
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	17	1.98
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	17	1.98
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	17	1.98
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	6	1.98
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	6	1.98
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	6	1.98
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	6	1.98
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	6	1.98
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	6	1.98
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	6	1.98
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	6	1.98
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	6	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	12	1.98
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	12	1.98
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	12	1.98
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	12	1.98
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	12	1.98
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	12	1.98
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	6	1.97
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	6	1.97
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	13	1.97
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	13	1.97
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	13	1.97
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	13	1.97
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	13	1.97
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	13	1.97
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	13	1.97
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	13	1.97
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	13	1.97
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	20	1.97
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	20	1.97
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	20	1.97
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	20	1.97
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	20	1.97
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	20	1.97
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	20	1.97
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	20	1.97
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	20	1.97
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	13	1.97
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	13	1.97
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	13	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	2	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	2	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	2	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	4	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	4	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	4	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	16	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	16	1.97
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	16	1.97
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	6	1.97
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	6	1.97
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	4	1.96
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	4	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	4	1.96
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	18	1.96
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	18	1.96
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	18	1.96
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	14	1.96
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	14	1.96
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	14	1.96
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	14	1.96
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	14	1.96
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	14	1.96
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	14	1.96
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	14	1.96
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	14	1.96
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	19	1.96
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	19	1.96
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	19	1.96
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	19	1.96
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	19	1.96
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	19	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	12	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	12	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	12	1.96
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	12	1.96
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	12	1.96
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	12	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	12	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	12	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	12	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	16	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	16	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	16	1.96
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	16	1.96
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	16	1.96
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	16	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	16	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	16	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	16	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	19	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	19	1.96
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	19	1.96
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	19	1.96
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	19	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	19	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	19	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	19	1.96
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	19	1.96
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	8	1.96
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	8	1.96
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	8	1.96
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	1	1.96
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	1	1.96
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	1	1.96
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	14	1.95
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	14	1.95
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	8	1.95
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	8	1.95
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	8	1.95
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	8	1.95
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	8	1.95
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	8	1.95
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	8	1.95
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	8	1.95
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	8	1.95
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	16	1.95
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	16	1.95
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	16	1.95
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	16	1.95
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	16	1.95
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	16	1.95
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	16	1.95
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	16	1.95
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	16	1.95
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	6	1.95
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	6	1.95
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	6	1.95
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	18	1.95
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	18	1.95
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	18	1.95
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	14	1.95
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	14	1.95
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	12	1.95
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	12	1.95
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	12	1.95
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	3	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	3	1.95
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	3	1.95
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	8	1.95
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	8	1.95
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	8	1.95
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	8	1.95
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	8	1.95
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	8	1.95
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	6	1.94
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	6	1.94
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	6	1.94
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	6	1.94
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	6	1.94
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	6	1.94
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	16	1.94
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	16	1.94
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	16	1.94
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	16	1.94
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	16	1.94
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	16	1.94
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	6	1.94
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	6	1.94
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	6	1.94
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	15	1.94
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	15	1.94
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	15	1.94
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	2	1.94
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	2	1.94
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	2	1.94
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	2	1.94
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	2	1.94
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	2	1.94
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	2	1.94
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	2	1.94
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	2	1.94
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	4	1.94
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	4	1.94
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	4	1.94
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	7	1.94
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	7	1.94
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	7	1.94
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	17	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	17	1.94
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	17	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	7	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	7	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	7	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	11	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	11	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	11	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	18	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	18	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	18	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	19	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	19	1.94
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	19	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	3	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	3	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	3	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	3	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	3	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	3	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	3	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	3	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	3	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	4	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	4	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	4	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	4	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	4	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	4	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	4	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	4	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	4	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	18	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	18	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	18	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	18	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	18	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	18	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	18	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	18	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	18	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	20	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	20	1.94
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	20	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	20	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	20	1.94
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	20	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	20	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	20	1.94
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	20	1.94
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	16	1.94
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	16	1.94
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	16	1.94
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	16	1.94
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	16	1.94
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	16	1.94
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	4	1.94
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	4	1.94
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	4	1.94
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	12	1.94
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	12	1.94
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	12	1.94
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE2	7	1.94
(1,188)	1:116:A:VAL:HG21	1:114:A:LYS:HE3	7	1.94
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE2	7	1.94
(1,188)	1:116:A:VAL:HG22	1:114:A:LYS:HE3	7	1.94
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE2	7	1.94
(1,188)	1:116:A:VAL:HG23	1:114:A:LYS:HE3	7	1.94
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	5	1.93
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	5	1.93
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	5	1.93
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	18	1.93
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	18	1.93
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	18	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	8	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	8	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	8	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	10	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	10	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	10	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	19	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	19	1.93
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	19	1.93
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	9	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	9	1.93
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	9	1.93
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	9	1.93
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	9	1.93
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	9	1.93
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	18	1.93
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	18	1.93
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	18	1.93
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	18	1.93
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	18	1.93
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	18	1.93
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	20	1.93
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	20	1.93
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	20	1.93
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	15	1.93
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	15	1.93
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	15	1.93
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	15	1.93
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	15	1.93
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	15	1.93
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	9	1.93
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	9	1.93
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	9	1.93
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	9	1.93
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	9	1.93
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	9	1.93
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	9	1.93
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	9	1.93
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	9	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	9	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	9	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	9	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	15	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	15	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	15	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	16	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	16	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	16	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	18	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	18	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	18	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	20	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	20	1.93
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	20	1.93
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	11	1.93
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	11	1.93
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	11	1.93
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	14	1.93
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	14	1.93
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	14	1.93
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	14	1.93
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	14	1.93
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	14	1.93
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	18	1.93
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	18	1.93
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	18	1.93
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	18	1.93
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	18	1.93
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	18	1.93
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	15	1.92
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	15	1.92
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	15	1.92
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	15	1.92
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	15	1.92
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	15	1.92
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	15	1.92
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	15	1.92
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	15	1.92
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	10	1.92
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	10	1.92
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	10	1.92
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	10	1.92
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	10	1.92
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	10	1.92
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	19	1.92
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	19	1.92
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	19	1.92
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	15	1.92
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	15	1.92
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	15	1.92
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	15	1.92
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	15	1.92
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	15	1.92
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	9	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	9	1.92
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	9	1.92
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	10	1.92
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	10	1.92
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	10	1.92
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	10	1.92
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	10	1.92
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	10	1.92
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	1	1.92
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	1	1.92
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	1	1.92
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	1	1.92
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	1	1.92
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	1	1.92
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	1	1.92
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	1	1.92
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	1	1.92
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	18	1.92
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	18	1.92
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	18	1.92
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	11	1.92
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	11	1.92
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	11	1.92
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	3	1.92
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	3	1.92
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	3	1.92
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	16	1.92
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	16	1.92
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	16	1.92
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	15	1.92
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	15	1.92
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	15	1.92
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	15	1.92
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	15	1.92
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	15	1.92
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	8	1.91
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	8	1.91
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	17	1.91
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	17	1.91
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	17	1.91
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	17	1.91
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	17	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	17	1.91
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	11	1.91
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	11	1.91
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	11	1.91
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	4	1.91
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	4	1.91
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	4	1.91
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	20	1.91
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	20	1.91
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	20	1.91
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	8	1.91
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	8	1.91
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	2	1.91
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	2	1.91
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	2	1.91
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	2	1.91
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	2	1.91
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	2	1.91
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	2	1.91
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	2	1.91
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	2	1.91
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	7	1.91
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	7	1.91
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	7	1.91
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	7	1.91
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	7	1.91
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	7	1.91
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	7	1.91
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	7	1.91
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	7	1.91
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	19	1.91
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	19	1.91
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	19	1.91
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	18	1.91
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	18	1.91
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	18	1.91
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	4	1.91
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	4	1.91
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	4	1.91
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	4	1.91
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	4	1.91
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	4	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	1	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	1	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	1	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	1	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	1	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	1	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	1	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	1	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	1	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	5	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	5	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	5	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	5	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	5	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	5	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	5	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	5	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	5	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	6	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	6	1.9
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	6	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	6	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	6	1.9
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	6	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	6	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	6	1.9
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	6	1.9
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	16	1.9
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	16	1.9
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	16	1.9
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	16	1.9
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	16	1.9
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	16	1.9
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	13	1.9
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	13	1.9
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	13	1.9
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	11	1.9
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	11	1.9
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	11	1.9
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	13	1.9
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	13	1.9
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	13	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	2	1.9
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	2	1.9
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	2	1.9
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	11	1.89
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	11	1.89
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	11	1.89
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	11	1.89
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	11	1.89
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	11	1.89
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	11	1.89
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	11	1.89
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	11	1.89
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	12	1.89
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	12	1.89
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	12	1.89
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	12	1.89
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	12	1.89
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	12	1.89
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	12	1.89
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	12	1.89
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	12	1.89
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	17	1.89
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	17	1.89
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	17	1.89
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	17	1.89
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	17	1.89
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	17	1.89
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	17	1.89
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	17	1.89
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	17	1.89
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	13	1.89
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	13	1.89
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	13	1.89
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	13	1.89
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	13	1.89
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	13	1.89
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	17	1.89
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	17	1.89
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	17	1.89
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	11	1.89
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	11	1.89
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	11	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	11	1.89
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	11	1.89
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	11	1.89
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	11	1.89
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	11	1.89
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	11	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	8	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	8	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	8	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	8	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	8	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	8	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	8	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	8	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	8	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	10	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	10	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	10	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	10	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	10	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	10	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	10	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	10	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	10	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	11	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	11	1.89
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	11	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	11	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	11	1.89
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	11	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	11	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	11	1.89
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	11	1.89
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	3	1.89
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	3	1.89
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	3	1.89
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	15	1.89
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	15	1.89
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	15	1.89
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	15	1.89
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	15	1.89
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	15	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	2	1.89
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	2	1.89
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	2	1.89
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	20	1.89
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	20	1.89
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	20	1.89
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	20	1.89
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	20	1.89
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	20	1.89
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	18	1.88
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	18	1.88
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	18	1.88
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	18	1.88
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	18	1.88
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	18	1.88
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	18	1.88
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	18	1.88
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	18	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	1	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	1	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	1	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	1	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	1	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	1	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	11	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	11	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	11	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	11	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	11	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	11	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	20	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	20	1.88
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	20	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	20	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	20	1.88
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	20	1.88
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	18	1.88
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	18	1.88
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	18	1.88
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	2	1.88
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	2	1.88
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	2	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	17	1.88
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	17	1.88
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	17	1.88
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	17	1.88
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	17	1.88
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	17	1.88
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	17	1.88
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	17	1.88
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	17	1.88
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	5	1.88
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	5	1.88
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	5	1.88
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	19	1.87
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	19	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	4	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	4	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	4	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	4	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	4	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	4	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	4	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	4	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	4	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	11	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	11	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	11	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	11	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	11	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	11	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	11	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	11	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	11	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	14	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	14	1.87
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	14	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	14	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	14	1.87
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	14	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	14	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	14	1.87
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	14	1.87
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	13	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	13	1.87
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	13	1.87
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	9	1.87
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	9	1.87
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	9	1.87
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	13	1.87
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	13	1.87
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	13	1.87
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	13	1.87
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	13	1.87
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	13	1.87
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	13	1.87
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	13	1.87
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	13	1.87
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	13	1.87
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	13	1.87
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	13	1.87
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	19	1.87
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	19	1.87
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	5	1.87
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	5	1.87
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	5	1.87
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	10	1.87
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	10	1.87
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	10	1.87
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	12	1.87
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	12	1.87
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	12	1.87
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	19	1.87
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	19	1.87
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	19	1.87
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	19	1.87
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	19	1.87
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	19	1.87
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	4	1.86
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	4	1.86
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	4	1.86
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	10	1.86
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	10	1.86
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	10	1.86
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	10	1.86
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	10	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	10	1.86
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	10	1.86
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	10	1.86
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	10	1.86
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	6	1.86
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	6	1.86
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	6	1.86
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	6	1.86
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	6	1.86
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	6	1.86
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	6	1.86
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	6	1.86
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	6	1.86
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	6	1.86
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	6	1.86
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	6	1.86
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG11	8	1.86
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG12	8	1.86
(1,1846)	1:80:A:LYS:HA	1:82:A:VAL:HG13	8	1.86
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	1	1.86
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	1	1.86
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	1	1.86
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	14	1.86
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	14	1.86
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	14	1.86
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	1	1.86
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	1	1.86
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	1	1.86
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	14	1.86
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	14	1.86
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	14	1.86
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	1	1.86
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	1	1.86
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	1	1.86
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	13	1.86
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	13	1.86
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	13	1.86
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	13	1.86
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	13	1.86
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	13	1.86
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	13	1.86
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	13	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	13	1.86
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	6	1.86
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	6	1.86
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	6	1.86
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	7	1.86
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	7	1.86
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	7	1.86
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	9	1.86
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	9	1.86
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	9	1.86
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG2	9	1.86
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG3	9	1.86
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG2	9	1.86
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG3	9	1.86
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG2	9	1.86
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG3	9	1.86
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	2	1.85
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	2	1.85
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	2	1.85
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	2	1.85
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	2	1.85
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	2	1.85
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	19	1.85
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	19	1.85
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	19	1.85
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	19	1.85
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	19	1.85
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	19	1.85
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	19	1.85
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	19	1.85
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	19	1.85
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	17	1.85
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	17	1.85
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	17	1.85
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	5	1.85
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	5	1.85
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	5	1.85
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	8	1.85
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	8	1.85
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	8	1.85
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	12	1.85
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	12	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	12	1.85
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	15	1.85
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	15	1.85
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	15	1.85
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	15	1.85
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	15	1.85
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	15	1.85
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	15	1.85
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	15	1.85
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	15	1.85
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	5	1.85
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	5	1.85
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	5	1.85
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	9	1.85
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	9	1.85
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	9	1.85
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	17	1.85
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	17	1.85
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	17	1.85
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG21	1	1.84
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG22	1	1.84
(1,2604)	1:84:A:LEU:HA	1:82:A:VAL:HG23	1	1.84
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	8	1.84
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	8	1.84
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	8	1.84
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	8	1.84
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	8	1.84
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	8	1.84
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	8	1.84
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	8	1.84
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	8	1.84
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	8	1.84
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	8	1.84
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	8	1.84
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	12	1.84
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	12	1.84
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	12	1.84
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	13	1.84
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	13	1.84
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	13	1.84
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	8	1.84
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	8	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	8	1.84
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	16	1.84
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	16	1.84
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	16	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	9	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	9	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	9	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	9	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	9	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	9	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	10	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	10	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	10	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	10	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	10	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	10	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	11	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	11	1.84
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	11	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	11	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	11	1.84
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	11	1.84
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	17	1.83
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	17	1.83
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	17	1.83
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	6	1.83
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	6	1.83
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	6	1.83
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	6	1.83
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	6	1.83
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	6	1.83
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	11	1.83
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	11	1.83
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	11	1.83
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	2	1.83
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	2	1.83
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	2	1.83
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	17	1.83
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	17	1.83
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	17	1.83
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	4	1.83
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	4	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	4	1.83
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	17	1.82
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	17	1.82
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	17	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	5	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	5	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	5	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	5	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	5	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	5	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	12	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	12	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	12	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	12	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	12	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	12	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	19	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	19	1.82
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	19	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	19	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	19	1.82
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	19	1.82
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	7	1.82
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	7	1.82
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	7	1.82
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	19	1.82
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	19	1.82
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	19	1.82
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	19	1.82
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	19	1.82
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	19	1.82
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	15	1.82
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	15	1.82
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	15	1.82
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	10	1.82
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	10	1.82
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	10	1.82
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	10	1.82
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	10	1.82
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	10	1.82
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	10	1.82
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	10	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	10	1.82
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	9	1.82
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	9	1.82
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	9	1.82
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	9	1.82
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	9	1.82
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	9	1.82
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	14	1.82
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	14	1.82
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	14	1.82
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	14	1.82
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	14	1.82
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	14	1.82
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	14	1.82
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	14	1.82
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	14	1.82
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	7	1.82
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	7	1.82
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	7	1.82
(1,2868)	1:77:A:LEU:HD11	1:44:A:GLU:H	13	1.81
(1,2868)	1:77:A:LEU:HD12	1:44:A:GLU:H	13	1.81
(1,2868)	1:77:A:LEU:HD13	1:44:A:GLU:H	13	1.81
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	14	1.81
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	14	1.81
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	14	1.81
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	2	1.81
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	2	1.81
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	2	1.81
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	2	1.81
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	2	1.81
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	2	1.81
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	3	1.81
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	3	1.81
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	3	1.81
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	3	1.81
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	3	1.81
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	3	1.81
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	11	1.81
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	11	1.81
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	11	1.81
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD11	13	1.81
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD12	13	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:44:A:GLU:H	1:77:A:LEU:HD13	13	1.81
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	3	1.81
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	3	1.81
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	3	1.81
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	12	1.81
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	12	1.81
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	12	1.81
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	12	1.81
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	12	1.81
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	12	1.81
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	14	1.81
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	14	1.81
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	14	1.81
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	14	1.81
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	14	1.81
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	14	1.81
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	14	1.81
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	14	1.81
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	14	1.81
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	9	1.8
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	9	1.8
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	9	1.8
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG11	4	1.8
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG12	4	1.8
(1,2304)	1:115:A:PHE:HD1	1:113:A:VAL:HG13	4	1.8
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG11	4	1.8
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG12	4	1.8
(1,2304)	1:115:A:PHE:HD2	1:113:A:VAL:HG13	4	1.8
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	15	1.8
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	15	1.8
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	15	1.8
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	19	1.8
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	19	1.8
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	19	1.8
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	19	1.8
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	19	1.8
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	19	1.8
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	15	1.8
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	15	1.8
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	15	1.8
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	15	1.8
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	15	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	15	1.8
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	17	1.8
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	17	1.8
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	17	1.8
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	17	1.8
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	17	1.8
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	17	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	3	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	3	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	3	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	3	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	3	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	3	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	17	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	17	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	17	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	17	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	17	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	17	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	20	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	20	1.8
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	20	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	20	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	20	1.8
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	20	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	2	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	2	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	2	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	3	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	3	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	3	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	12	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	12	1.8
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	12	1.8
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	15	1.79
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	15	1.79
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	15	1.79
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	15	1.79
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	15	1.79
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	15	1.79
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	5	1.79
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	5	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	5	1.79
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	5	1.79
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	5	1.79
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	5	1.79
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	5	1.79
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	5	1.79
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	5	1.79
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	5	1.78
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	5	1.78
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	5	1.78
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	1	1.78
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	1	1.78
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	1	1.78
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	9	1.78
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	9	1.78
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	9	1.78
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	20	1.78
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	20	1.78
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	20	1.78
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	5	1.78
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	5	1.78
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	5	1.78
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	20	1.78
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	20	1.78
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	20	1.78
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	1	1.78
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	1	1.78
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	1	1.78
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	9	1.78
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	9	1.78
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	9	1.78
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	6	1.78
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	6	1.78
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	6	1.78
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	6	1.78
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	6	1.78
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	6	1.78
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	10	1.78
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	10	1.78
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	10	1.78
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	10	1.78
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	10	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	10	1.78
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	7	1.78
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	7	1.78
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	7	1.78
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	17	1.78
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	17	1.78
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	17	1.78
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	17	1.78
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	17	1.78
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	17	1.78
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	4	1.77
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	4	1.77
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	4	1.77
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	10	1.77
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	10	1.77
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	10	1.77
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	11	1.77
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	11	1.77
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	11	1.77
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	7	1.77
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	7	1.77
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	7	1.77
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	7	1.77
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	7	1.77
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	7	1.77
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	10	1.77
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	10	1.77
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	10	1.77
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	10	1.77
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	10	1.77
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	10	1.77
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	14	1.77
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	14	1.77
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	14	1.77
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	14	1.77
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	14	1.77
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	14	1.77
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	4	1.77
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	4	1.77
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	4	1.77
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	10	1.77
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	10	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	10	1.77
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	11	1.77
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	11	1.77
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	11	1.77
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	19	1.77
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	19	1.77
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	19	1.77
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	15	1.77
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	15	1.77
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	15	1.77
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	15	1.77
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	15	1.77
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	15	1.77
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	2	1.76
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	2	1.76
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	2	1.76
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	3	1.76
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	3	1.76
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	3	1.76
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	4	1.76
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	4	1.76
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	9	1.76
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	9	1.76
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	9	1.76
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	9	1.76
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	9	1.76
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	9	1.76
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	9	1.76
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	9	1.76
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	9	1.76
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	4	1.76
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	4	1.76
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	4	1.76
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	10	1.76
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	10	1.76
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	10	1.76
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	5	1.76
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	5	1.76
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	5	1.76
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	5	1.76
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	5	1.76
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	5	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	4	1.76
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	4	1.76
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	4	1.76
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	6	1.76
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	6	1.76
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	6	1.76
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	4	1.76
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	4	1.76
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	4	1.76
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	4	1.76
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	4	1.76
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	4	1.76
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	9	1.76
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	9	1.76
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	9	1.76
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	9	1.76
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	9	1.76
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	9	1.76
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	4	1.76
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	4	1.76
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	2	1.76
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	2	1.76
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	2	1.76
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	3	1.76
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	3	1.76
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	3	1.76
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	7	1.76
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	7	1.76
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	7	1.76
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	7	1.76
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	7	1.76
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	7	1.76
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	1	1.76
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	1	1.76
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	1	1.76
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	10	1.76
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	10	1.76
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	10	1.76
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	17	1.75
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	17	1.75
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	17	1.75
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	12	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	12	1.75
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	12	1.75
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	12	1.75
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	12	1.75
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	12	1.75
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	15	1.75
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	15	1.75
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	15	1.75
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	15	1.75
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	15	1.75
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	15	1.75
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	6	1.75
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	6	1.75
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	6	1.75
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	6	1.75
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	6	1.75
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	6	1.75
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	13	1.75
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	13	1.75
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	13	1.75
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	13	1.75
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	13	1.75
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	13	1.75
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	19	1.75
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	19	1.75
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	19	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	1	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	1	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	1	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	1	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	1	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	1	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	8	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	8	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	8	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	8	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	8	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	8	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	18	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	18	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	18	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	18	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	18	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	18	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	20	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	20	1.75
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	20	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	20	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	20	1.75
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	20	1.75
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	17	1.75
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	17	1.75
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	17	1.75
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	1	1.75
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	1	1.75
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	1	1.75
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	7	1.74
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	7	1.74
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	7	1.74
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	12	1.74
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	12	1.74
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	12	1.74
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	16	1.74
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	16	1.74
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	16	1.74
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	19	1.74
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	19	1.74
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	19	1.74
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	16	1.74
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	16	1.74
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	16	1.74
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	8	1.74
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	8	1.74
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	8	1.74
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	8	1.74
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	8	1.74
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	8	1.74
(1,1416)	1:77:A:LEU:HD11	1:44:A:GLU:HA	17	1.74
(1,1416)	1:77:A:LEU:HD12	1:44:A:GLU:HA	17	1.74
(1,1416)	1:77:A:LEU:HD13	1:44:A:GLU:HA	17	1.74
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD11	17	1.74
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD12	17	1.74
(1,1231)	1:44:A:GLU:HA	1:77:A:LEU:HD13	17	1.74
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	16	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	16	1.74
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	16	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	7	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	7	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	7	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	12	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	12	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	12	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	16	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	16	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	16	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	19	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	19	1.74
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	19	1.74
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	18	1.74
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	18	1.74
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	18	1.74
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	18	1.74
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	18	1.74
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	18	1.74
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	18	1.74
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	18	1.74
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	18	1.74
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	8	1.74
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	8	1.74
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	8	1.74
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	8	1.74
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	8	1.74
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	8	1.74
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	10	1.74
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	10	1.74
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	10	1.74
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	10	1.74
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	10	1.74
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	10	1.74
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	18	1.73
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	18	1.73
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	18	1.73
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	14	1.73
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	14	1.73
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	14	1.73
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	14	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	14	1.73
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	14	1.73
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	10	1.73
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	10	1.73
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	10	1.73
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	10	1.73
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	10	1.73
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	10	1.73
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	20	1.73
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	20	1.73
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	20	1.73
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	20	1.73
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	20	1.73
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	20	1.73
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	20	1.73
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	20	1.73
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	20	1.73
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	14	1.73
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	14	1.73
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	14	1.73
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	14	1.73
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	14	1.73
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	14	1.73
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD11	5	1.73
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD12	5	1.73
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD13	5	1.73
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	3	1.73
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	3	1.73
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	3	1.73
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	3	1.73
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	3	1.73
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	3	1.73
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	3	1.73
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	3	1.73
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	3	1.73
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	3	1.73
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	3	1.73
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	3	1.73
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	10	1.73
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	10	1.73
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	10	1.73
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	17	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	17	1.73
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	17	1.73
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	18	1.73
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	18	1.73
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	18	1.73
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	20	1.73
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	20	1.73
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	20	1.73
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	20	1.73
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	20	1.73
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	20	1.73
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	20	1.73
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	20	1.73
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	20	1.73
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG21	17	1.73
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG22	17	1.73
(1,524)	1:80:A:LYS:H	1:113:A:VAL:HG23	17	1.73
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	14	1.73
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	14	1.73
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	14	1.73
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	14	1.73
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	14	1.73
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	14	1.73
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	14	1.73
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	14	1.73
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	14	1.73
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	6	1.72
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	6	1.72
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	6	1.72
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	13	1.72
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	13	1.72
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	13	1.72
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	19	1.72
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	19	1.72
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	19	1.72
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	19	1.72
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	19	1.72
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	19	1.72
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	19	1.72
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	19	1.72
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	19	1.72
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG11	7	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG12	7	1.72
(1,2333)	1:164:A:ILE:HD11	1:116:A:VAL:HG13	7	1.72
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG11	7	1.72
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG12	7	1.72
(1,2333)	1:164:A:ILE:HD12	1:116:A:VAL:HG13	7	1.72
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG11	7	1.72
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG12	7	1.72
(1,2333)	1:164:A:ILE:HD13	1:116:A:VAL:HG13	7	1.72
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	1	1.72
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	1	1.72
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	1	1.72
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	1	1.72
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	1	1.72
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	1	1.72
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	3	1.72
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	3	1.72
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	3	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	5	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	5	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	5	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	5	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	5	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	5	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	11	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	11	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	11	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	11	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	11	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	11	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	16	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	16	1.72
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	16	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	16	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	16	1.72
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	16	1.72
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	6	1.72
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	6	1.72
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	6	1.72
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	13	1.72
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	13	1.72
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	13	1.72
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	19	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	19	1.72
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	19	1.72
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	19	1.72
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	19	1.72
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	19	1.72
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	19	1.72
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	19	1.72
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	19	1.72
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	17	1.72
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	17	1.72
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	17	1.72
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	17	1.72
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	17	1.72
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	17	1.72
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	8	1.71
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	8	1.71
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	8	1.71
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	17	1.71
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	17	1.71
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	17	1.71
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	17	1.71
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	17	1.71
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	17	1.71
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	8	1.71
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	8	1.71
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	8	1.71
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	8	1.71
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	8	1.71
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	8	1.71
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	8	1.71
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	8	1.71
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	8	1.71
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	8	1.71
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	8	1.71
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	8	1.71
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	8	1.71
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	8	1.71
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	8	1.71
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	8	1.71
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	8	1.71
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	8	1.71
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	8	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	8	1.71
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	8	1.71
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	8	1.71
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	8	1.71
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	8	1.71
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	8	1.71
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	8	1.71
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	8	1.71
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	7	1.71
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	7	1.71
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	7	1.71
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	7	1.71
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	7	1.71
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	7	1.71
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	1	1.71
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	1	1.71
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	1	1.71
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	1	1.71
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	1	1.71
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	1	1.71
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	14	1.7
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	14	1.7
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	14	1.7
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	13	1.7
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	13	1.7
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	13	1.7
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	13	1.7
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	13	1.7
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	13	1.7
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	14	1.7
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	14	1.7
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	14	1.7
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	14	1.7
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	14	1.7
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	14	1.7
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	3	1.7
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	3	1.7
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	3	1.7
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	3	1.7
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	3	1.7
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	3	1.7
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	12	1.7
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	12	1.7
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	12	1.7
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	12	1.7
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	12	1.7
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	3	1.7
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	3	1.7
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	3	1.7
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	3	1.7
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	3	1.7
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	3	1.7
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	3	1.7
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	3	1.7
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	3	1.7
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	15	1.7
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	15	1.7
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	15	1.7
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	15	1.7
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	15	1.7
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	15	1.7
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	15	1.7
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	15	1.7
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	15	1.7
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	2	1.7
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	2	1.7
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	2	1.7
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	2	1.7
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	2	1.7
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	2	1.7
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	3	1.7
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	3	1.7
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	3	1.7
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	3	1.7
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	3	1.7
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	3	1.7
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	3	1.7
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	3	1.7
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	3	1.7
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	15	1.7
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	15	1.7
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	15	1.7
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	15	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	15	1.7
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	15	1.7
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	15	1.7
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	15	1.7
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	15	1.7
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	1	1.7
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	1	1.7
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	1	1.7
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	1	1.7
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	1	1.7
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	1	1.7
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	14	1.7
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	14	1.7
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	14	1.7
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	14	1.7
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	14	1.7
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	14	1.7
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	14	1.7
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	14	1.7
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	14	1.7
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	14	1.7
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	14	1.7
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	14	1.7
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	15	1.69
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	15	1.69
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	8	1.69
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	8	1.69
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	8	1.69
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	8	1.69
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	8	1.69
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	8	1.69
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	19	1.69
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	19	1.69
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	19	1.69
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	5	1.69
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	5	1.69
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	5	1.69
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	2	1.69
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	2	1.69
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	2	1.69
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	7	1.69
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	7	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	7	1.69
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	7	1.69
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	7	1.69
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	7	1.69
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	19	1.69
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	19	1.69
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	19	1.69
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	19	1.69
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	19	1.69
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	19	1.69
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	15	1.69
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	15	1.69
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	8	1.69
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	8	1.69
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	8	1.69
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	16	1.69
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	16	1.69
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	16	1.69
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	20	1.69
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	20	1.69
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	20	1.69
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	3	1.69
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	3	1.69
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	3	1.69
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	3	1.69
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	3	1.69
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	3	1.69
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	19	1.68
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	19	1.68
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	19	1.68
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	19	1.68
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	19	1.68
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	19	1.68
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	17	1.68
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	17	1.68
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	17	1.68
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	2	1.68
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	2	1.68
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	2	1.68
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	10	1.68
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	10	1.68
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	10	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	10	1.68
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	10	1.68
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	10	1.68
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	16	1.68
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	16	1.68
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	16	1.68
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	16	1.68
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	16	1.68
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	16	1.68
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	16	1.68
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	16	1.68
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	16	1.68
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	4	1.68
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	4	1.68
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	4	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	4	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	4	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	4	1.68
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	5	1.68
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	5	1.68
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	5	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	5	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	5	1.68
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	5	1.68
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	16	1.68
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	16	1.68
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	16	1.68
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	16	1.68
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	16	1.68
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	16	1.68
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	16	1.68
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	16	1.68
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	16	1.68
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	15	1.68
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	15	1.68
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	15	1.68
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	15	1.68
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	15	1.68
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	15	1.68
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	15	1.68
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	15	1.68
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	15	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	6	1.68
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	6	1.68
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	6	1.68
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	10	1.67
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	10	1.67
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	10	1.67
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	10	1.67
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	10	1.67
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	10	1.67
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	13	1.67
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	13	1.67
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	17	1.67
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	17	1.67
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	17	1.67
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	12	1.67
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	12	1.67
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	12	1.67
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	12	1.67
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	12	1.67
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	12	1.67
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	18	1.67
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	18	1.67
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	18	1.67
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	18	1.67
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	18	1.67
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	18	1.67
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	10	1.67
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	10	1.67
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	10	1.67
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	10	1.67
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	10	1.67
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	10	1.67
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	1	1.67
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	1	1.67
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	1	1.67
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	12	1.67
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	12	1.67
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	12	1.67
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	2	1.67
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	2	1.67
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	2	1.67
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	2	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	2	1.67
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	2	1.67
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	8	1.67
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	8	1.67
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	8	1.67
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	8	1.67
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	8	1.67
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	8	1.67
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	13	1.67
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	13	1.67
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	20	1.67
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	20	1.67
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	20	1.67
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	20	1.67
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	20	1.67
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	20	1.67
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	20	1.67
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	20	1.67
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	20	1.67
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	17	1.67
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	17	1.67
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	17	1.67
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	17	1.67
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	17	1.67
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	17	1.67
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	17	1.67
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	17	1.67
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	17	1.67
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	20	1.67
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	20	1.67
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	20	1.67
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	20	1.67
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	20	1.67
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	20	1.67
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	20	1.67
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	20	1.67
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	20	1.67
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	18	1.67
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	18	1.67
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	18	1.67
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	18	1.67
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	18	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	18	1.67
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	7	1.66
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	7	1.66
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	7	1.66
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	7	1.66
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	7	1.66
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	7	1.66
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	13	1.66
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	13	1.66
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	13	1.66
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	13	1.66
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	13	1.66
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	13	1.66
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	7	1.66
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	7	1.66
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	7	1.66
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	7	1.66
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	7	1.66
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	7	1.66
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	14	1.66
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	14	1.66
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	14	1.66
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	6	1.66
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	6	1.66
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	6	1.66
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	6	1.66
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	6	1.66
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	6	1.66
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD11	13	1.66
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD12	13	1.66
(1,1189)	1:27:A:PRO:HD2	1:29:A:LEU:HD13	13	1.66
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD11	13	1.66
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD12	13	1.66
(1,1189)	1:27:A:PRO:HD3	1:29:A:LEU:HD13	13	1.66
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	13	1.66
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	13	1.66
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	13	1.66
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	13	1.66
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	13	1.66
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	13	1.66
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	13	1.66
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	13	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	13	1.66
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	13	1.66
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	13	1.66
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	13	1.66
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	13	1.66
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	13	1.66
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	13	1.66
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	13	1.66
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	13	1.66
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	13	1.66
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	13	1.66
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	13	1.66
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	13	1.66
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	13	1.66
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	13	1.66
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	13	1.66
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	15	1.65
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	15	1.65
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	15	1.65
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	15	1.65
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	15	1.65
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	15	1.65
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	20	1.65
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	20	1.65
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	20	1.65
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	20	1.65
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	20	1.65
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	20	1.65
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	16	1.65
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	16	1.65
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	16	1.65
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	1	1.65
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	1	1.65
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	1	1.65
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	1	1.65
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	1	1.65
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	1	1.65
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	1	1.65
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	1	1.65
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	1	1.65
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	9	1.65
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	9	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	9	1.65
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	9	1.65
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	9	1.65
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	9	1.65
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	1	1.65
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	1	1.65
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	1	1.65
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	4	1.65
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	4	1.65
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	4	1.65
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	18	1.65
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	18	1.65
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	18	1.65
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	18	1.65
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	18	1.65
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	18	1.65
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	18	1.65
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	18	1.65
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	18	1.65
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	13	1.65
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	13	1.65
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	13	1.65
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	13	1.65
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	13	1.65
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	13	1.65
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	13	1.65
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	13	1.65
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	13	1.65
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	14	1.65
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	14	1.65
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	14	1.65
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	14	1.65
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	14	1.65
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	14	1.65
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	14	1.65
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	14	1.65
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	14	1.65
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	18	1.65
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	18	1.65
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	18	1.65
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	18	1.65
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	18	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	18	1.65
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	18	1.65
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	18	1.65
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	18	1.65
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	13	1.65
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	13	1.65
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	13	1.65
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	11	1.65
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	11	1.65
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	11	1.65
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	11	1.65
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	11	1.65
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	11	1.65
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	19	1.65
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	19	1.65
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	19	1.65
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	19	1.65
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	19	1.65
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	19	1.65
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	5	1.64
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	5	1.64
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	5	1.64
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	5	1.64
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	5	1.64
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	5	1.64
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	20	1.64
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	20	1.64
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	20	1.64
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	20	1.64
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	20	1.64
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	20	1.64
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	8	1.64
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	8	1.64
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	8	1.64
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	8	1.64
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	8	1.64
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	8	1.64
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	11	1.64
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	11	1.64
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	11	1.64
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	11	1.64
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	11	1.64
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	6	1.64
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	6	1.64
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	6	1.64
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	13	1.64
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	13	1.64
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	13	1.64
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	1	1.64
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	1	1.64
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	1	1.64
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	1	1.64
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	1	1.64
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	1	1.64
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	14	1.64
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	14	1.64
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	14	1.64
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	14	1.64
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	14	1.64
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	14	1.64
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	19	1.64
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	19	1.64
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	19	1.64
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	19	1.64
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	19	1.64
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	19	1.64
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	5	1.63
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	5	1.63
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	5	1.63
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	5	1.63
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	5	1.63
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	5	1.63
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	10	1.63
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	10	1.63
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	10	1.63
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	10	1.63
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	10	1.63
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	10	1.63
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	10	1.63
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	10	1.63
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	10	1.63
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	7	1.63
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	7	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	7	1.63
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	3	1.63
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	3	1.63
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	3	1.63
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	12	1.63
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	12	1.63
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	12	1.63
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	19	1.63
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	19	1.63
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	19	1.63
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	17	1.63
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	17	1.63
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	17	1.63
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	7	1.63
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	7	1.63
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	7	1.63
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	20	1.63
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	20	1.63
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	20	1.63
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	20	1.63
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	20	1.63
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	20	1.63
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	12	1.63
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	12	1.63
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	12	1.63
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	19	1.63
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	19	1.63
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	19	1.63
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	7	1.63
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	7	1.63
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	7	1.63
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	10	1.63
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	10	1.63
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	10	1.63
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	10	1.63
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	10	1.63
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	10	1.63
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	10	1.63
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	10	1.63
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	10	1.63
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	12	1.63
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	12	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	12	1.63
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	12	1.63
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	12	1.63
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	12	1.63
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	12	1.63
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	12	1.63
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	12	1.63
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	17	1.63
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	17	1.63
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	17	1.63
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	17	1.63
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	17	1.63
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	17	1.63
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	17	1.63
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	17	1.63
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	17	1.63
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	12	1.63
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	12	1.63
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	12	1.63
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	12	1.63
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	12	1.63
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	12	1.63
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	12	1.63
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	12	1.63
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	12	1.63
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	17	1.63
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	17	1.63
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	17	1.63
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	17	1.63
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	17	1.63
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	17	1.63
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	17	1.63
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	17	1.63
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	17	1.63
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	6	1.62
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	6	1.62
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	6	1.62
(1,1234)	1:47:A:ASP:HB2	1:48:A:VAL:HG21	15	1.62
(1,1234)	1:47:A:ASP:HB2	1:48:A:VAL:HG22	15	1.62
(1,1234)	1:47:A:ASP:HB2	1:48:A:VAL:HG23	15	1.62
(1,1234)	1:47:A:ASP:HB3	1:48:A:VAL:HG21	15	1.62
(1,1234)	1:47:A:ASP:HB3	1:48:A:VAL:HG22	15	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:47:A:ASP:HB3	1:48:A:VAL:HG23	15	1.62
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	6	1.62
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	6	1.62
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	6	1.62
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	2	1.62
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	2	1.62
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	2	1.62
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	2	1.62
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	2	1.62
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	2	1.62
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	2	1.62
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	2	1.62
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	2	1.62
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	2	1.62
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	2	1.62
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	2	1.62
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	2	1.62
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	2	1.62
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	2	1.62
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	2	1.62
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	2	1.62
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	2	1.62
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	7	1.62
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	7	1.62
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	7	1.62
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	7	1.62
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	7	1.62
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	7	1.62
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	7	1.62
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	7	1.62
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	7	1.62
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	4	1.62
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	4	1.62
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	4	1.62
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	6	1.62
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	6	1.62
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	6	1.62
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	6	1.62
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	6	1.62
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	6	1.62
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	3	1.62
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	3	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	3	1.62
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	3	1.62
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	3	1.62
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	3	1.62
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	9	1.61
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	9	1.61
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	9	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	9	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	9	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	9	1.61
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	11	1.61
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	11	1.61
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	11	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	11	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	11	1.61
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	11	1.61
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	12	1.61
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	12	1.61
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	12	1.61
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	12	1.61
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	12	1.61
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	12	1.61
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	8	1.61
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	8	1.61
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	8	1.61
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	1	1.61
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	1	1.61
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	1	1.61
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	1	1.61
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	1	1.61
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	1	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	4	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	4	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	4	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	4	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	4	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	4	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	4	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	4	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	4	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	5	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	5	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	5	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	5	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	5	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	5	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	5	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	5	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	6	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	6	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	6	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	6	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	6	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	6	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	6	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	6	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	6	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	19	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	19	1.61
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	19	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	19	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	19	1.61
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	19	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	19	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	19	1.61
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	19	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	4	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	4	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	4	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	4	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	4	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	4	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	4	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	4	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	4	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	5	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	5	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	5	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	5	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	5	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	5	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	5	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	5	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	6	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	6	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	6	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	6	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	6	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	6	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	6	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	6	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	6	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	19	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	19	1.61
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	19	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	19	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	19	1.61
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	19	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	19	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	19	1.61
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	19	1.61
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	7	1.61
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	7	1.61
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	7	1.61
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	7	1.61
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	7	1.61
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	7	1.61
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	17	1.61
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	17	1.61
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	17	1.61
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	17	1.61
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	17	1.61
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	17	1.61
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	4	1.61
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	4	1.61
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	4	1.61
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	4	1.61
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	4	1.61
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	4	1.61
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	4	1.61
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	4	1.61
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	4	1.61
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	7	1.61
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	7	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	7	1.61
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	7	1.61
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	7	1.61
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	7	1.61
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	7	1.61
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	7	1.61
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	7	1.61
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	1	1.6
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	1	1.6
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	1	1.6
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	11	1.6
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	11	1.6
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	3	1.6
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	3	1.6
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	3	1.6
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	3	1.6
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	3	1.6
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	3	1.6
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	12	1.6
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	12	1.6
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	12	1.6
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	12	1.6
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	12	1.6
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	12	1.6
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	19	1.6
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	19	1.6
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	19	1.6
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	4	1.6
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	4	1.6
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	4	1.6
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	15	1.6
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	15	1.6
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	15	1.6
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	15	1.6
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	15	1.6
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	15	1.6
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	15	1.6
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	15	1.6
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	15	1.6
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	16	1.6
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	16	1.6
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	16	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	4	1.6
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	4	1.6
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	4	1.6
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	4	1.6
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	4	1.6
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	4	1.6
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	1	1.6
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	1	1.6
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	1	1.6
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	1	1.6
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	1	1.6
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	1	1.6
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	12	1.6
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	12	1.6
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	12	1.6
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	12	1.6
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	12	1.6
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	12	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	11	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	11	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	11	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	16	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	16	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	16	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	20	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	20	1.6
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	20	1.6
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	11	1.6
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	11	1.6
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	1	1.6
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	1	1.6
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	1	1.6
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	1	1.6
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	1	1.6
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	1	1.6
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	1	1.6
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	1	1.6
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	1	1.6
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	1	1.6
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	1	1.6
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	1	1.6
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	1	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	1	1.6
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	1	1.6
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	1	1.6
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	1	1.6
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	1	1.6
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	10	1.6
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	10	1.6
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	10	1.6
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	10	1.6
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	10	1.6
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	10	1.6
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	13	1.6
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	13	1.6
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	13	1.6
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	13	1.6
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	13	1.6
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	13	1.6
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	13	1.6
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	13	1.6
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	13	1.6
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	14	1.59
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	14	1.59
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	14	1.59
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	14	1.59
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	14	1.59
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	14	1.59
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	2	1.59
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	2	1.59
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	2	1.59
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	2	1.59
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	2	1.59
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	2	1.59
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	18	1.59
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	18	1.59
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	18	1.59
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	18	1.59
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	18	1.59
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	18	1.59
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	3	1.59
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	3	1.59
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	3	1.59
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	3	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	3	1.59
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	3	1.59
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	3	1.59
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	3	1.59
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	3	1.59
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	15	1.59
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	15	1.59
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	15	1.59
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	15	1.59
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	15	1.59
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	15	1.59
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	19	1.59
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	19	1.59
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	19	1.59
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	19	1.59
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	19	1.59
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	19	1.59
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	19	1.59
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	19	1.59
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	19	1.59
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	19	1.59
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	19	1.59
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	19	1.59
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	4	1.59
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	4	1.59
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	4	1.59
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	16	1.59
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	16	1.59
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	16	1.59
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	14	1.59
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	14	1.59
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	14	1.59
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	3	1.59
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	3	1.59
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	3	1.59
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	3	1.59
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	3	1.59
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	3	1.59
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	3	1.59
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	3	1.59
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	3	1.59
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	10	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	10	1.59
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	10	1.59
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	10	1.59
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	10	1.59
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	10	1.59
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	10	1.59
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	10	1.59
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	10	1.59
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	10	1.59
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	10	1.59
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	10	1.59
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	10	1.59
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	10	1.59
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	10	1.59
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	10	1.59
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	10	1.59
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	10	1.59
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	15	1.59
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	15	1.59
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	15	1.59
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	1	1.59
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	1	1.59
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	1	1.59
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	1	1.59
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	1	1.59
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	1	1.59
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	1	1.59
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	1	1.59
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	1	1.59
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	2	1.58
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	2	1.58
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	2	1.58
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	13	1.58
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	13	1.58
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	13	1.58
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	20	1.58
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	20	1.58
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	20	1.58
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	4	1.58
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	4	1.58
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	4	1.58
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	12	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	12	1.58
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	12	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	12	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	12	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	12	1.58
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	12	1.58
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	12	1.58
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	12	1.58
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	17	1.58
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	17	1.58
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	17	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	17	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	17	1.58
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	17	1.58
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	17	1.58
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	17	1.58
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	17	1.58
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	8	1.58
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	8	1.58
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	8	1.58
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	12	1.58
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	12	1.58
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	12	1.58
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	20	1.58
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	20	1.58
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	20	1.58
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	20	1.58
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	20	1.58
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	20	1.58
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	12	1.58
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	12	1.58
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	12	1.58
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	12	1.58
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	12	1.58
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	12	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	12	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	12	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	12	1.58
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	17	1.58
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	17	1.58
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	17	1.58
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	17	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	17	1.58
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	17	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	17	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	17	1.58
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	17	1.58
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	9	1.58
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	9	1.58
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	9	1.58
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	9	1.58
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	9	1.58
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	9	1.58
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	9	1.58
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	9	1.58
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	9	1.58
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	9	1.58
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	9	1.58
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	9	1.58
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	9	1.58
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	9	1.58
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	9	1.58
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	9	1.58
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	9	1.58
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	9	1.58
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	1	1.58
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	1	1.58
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	1	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	1	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	1	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	1	1.58
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	9	1.58
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	9	1.58
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	9	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	9	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	9	1.58
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	9	1.58
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	16	1.58
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	16	1.58
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	16	1.58
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	16	1.58
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	16	1.58
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	16	1.58
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	8	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	8	1.58
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	8	1.58
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	8	1.58
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	8	1.58
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	8	1.58
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	8	1.58
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	8	1.58
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	8	1.58
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	10	1.57
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	10	1.57
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	10	1.57
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	10	1.57
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	10	1.57
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	10	1.57
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	3	1.57
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	3	1.57
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	3	1.57
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	15	1.57
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	15	1.57
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	15	1.57
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD21	3	1.57
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD22	3	1.57
(1,2279)	1:105:A:HIS:HA	1:108:A:LEU:HD23	3	1.57
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	5	1.57
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	5	1.57
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	5	1.57
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	5	1.57
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	5	1.57
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	5	1.57
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	19	1.57
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	19	1.57
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	19	1.57
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	19	1.57
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	19	1.57
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	19	1.57
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	3	1.57
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	3	1.57
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	3	1.57
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	15	1.57
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	15	1.57
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	15	1.57
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	15	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	15	1.57
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	15	1.57
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	15	1.57
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	15	1.57
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	15	1.57
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	12	1.57
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	12	1.57
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	12	1.57
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	12	1.57
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	12	1.57
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	12	1.57
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	12	1.57
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	12	1.57
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	12	1.57
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	19	1.57
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	19	1.57
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	19	1.57
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	2	1.57
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	2	1.57
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	2	1.57
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	2	1.57
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	2	1.57
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	2	1.57
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	15	1.57
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	15	1.57
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	15	1.57
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	15	1.57
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	15	1.57
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	15	1.57
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	5	1.57
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	5	1.57
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	5	1.57
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	5	1.57
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	5	1.57
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	5	1.57
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	5	1.57
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	5	1.57
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	5	1.57
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	12	1.56
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	12	1.56
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	14	1.56
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	14	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	14	1.56
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	18	1.56
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	18	1.56
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	18	1.56
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	12	1.56
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	12	1.56
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	12	1.56
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	9	1.56
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	9	1.56
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	9	1.56
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	9	1.56
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	9	1.56
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	9	1.56
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD11	18	1.56
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD12	18	1.56
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD13	18	1.56
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	5	1.56
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	5	1.56
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	5	1.56
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	7	1.56
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	7	1.56
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	7	1.56
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	18	1.56
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	18	1.56
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	18	1.56
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	9	1.56
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	9	1.56
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	9	1.56
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	18	1.56
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	18	1.56
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	18	1.56
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	12	1.56
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	12	1.56
(1,553)	1:49:A:LEU:H	1:48:A:VAL:HG11	15	1.56
(1,553)	1:49:A:LEU:H	1:48:A:VAL:HG12	15	1.56
(1,553)	1:49:A:LEU:H	1:48:A:VAL:HG13	15	1.56
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	17	1.56
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	17	1.56
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	17	1.56
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	17	1.56
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	17	1.56
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	17	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	4	1.55
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	4	1.55
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	4	1.55
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	5	1.55
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	5	1.55
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	5	1.55
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	5	1.55
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	5	1.55
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	5	1.55
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	5	1.55
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	5	1.55
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	5	1.55
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	5	1.55
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	5	1.55
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	5	1.55
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	8	1.55
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	8	1.55
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	8	1.55
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	8	1.55
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	8	1.55
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	8	1.55
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	6	1.55
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	6	1.55
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	6	1.55
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	6	1.55
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	6	1.55
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	6	1.55
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	6	1.55
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	6	1.55
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	6	1.55
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	1	1.54
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	1	1.54
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	1	1.54
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	1	1.54
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	1	1.54
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	1	1.54
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	20	1.54
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	20	1.54
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	20	1.54
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	20	1.54
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	20	1.54
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	20	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	9	1.54
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	9	1.54
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	9	1.54
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	3	1.54
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	3	1.54
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	3	1.54
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	3	1.54
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	3	1.54
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	3	1.54
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	5	1.54
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	5	1.54
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	5	1.54
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	5	1.54
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	5	1.54
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	5	1.54
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	2	1.54
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	2	1.54
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	2	1.54
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	9	1.54
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	9	1.54
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	9	1.54
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	18	1.54
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	18	1.54
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	18	1.54
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	17	1.54
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	17	1.54
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	17	1.54
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	18	1.54
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	18	1.54
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	18	1.54
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	18	1.54
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	18	1.54
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	18	1.54
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	3	1.53
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	3	1.53
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	3	1.53
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	3	1.53
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	3	1.53
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	3	1.53
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	12	1.53
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	12	1.53
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	12	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	19	1.53
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	19	1.53
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	19	1.53
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	10	1.53
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	10	1.53
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	10	1.53
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	17	1.53
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	17	1.53
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	17	1.53
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	10	1.53
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	10	1.53
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	10	1.53
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	10	1.53
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	10	1.53
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	10	1.53
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	1	1.53
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	1	1.53
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	1	1.53
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	10	1.53
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	10	1.53
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	10	1.53
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	17	1.53
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	17	1.53
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	17	1.53
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	11	1.53
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	11	1.53
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	11	1.53
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	11	1.53
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	11	1.53
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	11	1.53
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	10	1.53
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	10	1.53
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	10	1.53
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	10	1.53
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	10	1.53
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	10	1.53
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	10	1.52
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	10	1.52
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	10	1.52
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	9	1.52
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	9	1.52
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	9	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	9	1.52
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	9	1.52
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	9	1.52
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	16	1.52
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	16	1.52
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	16	1.52
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	6	1.52
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	6	1.52
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	6	1.52
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	6	1.52
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	6	1.52
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	6	1.52
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	6	1.52
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	6	1.52
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	6	1.52
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	20	1.52
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	20	1.52
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	20	1.52
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	5	1.52
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	5	1.52
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	5	1.52
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	3	1.52
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	3	1.52
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	3	1.52
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	16	1.52
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	16	1.52
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	16	1.52
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	16	1.52
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	16	1.52
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	16	1.52
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	2	1.52
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	2	1.52
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	2	1.52
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	2	1.52
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	2	1.52
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	2	1.52
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	3	1.52
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	3	1.52
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	3	1.52
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	5	1.52
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	5	1.52
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	5	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	6	1.52
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	6	1.52
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	6	1.52
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	6	1.52
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	6	1.52
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	6	1.52
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	6	1.52
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	6	1.52
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	6	1.52
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	11	1.52
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	11	1.52
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	11	1.52
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	11	1.52
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	11	1.52
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	11	1.52
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	11	1.52
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	11	1.52
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	11	1.52
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	14	1.52
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	14	1.52
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	14	1.52
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	14	1.52
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	14	1.52
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	14	1.52
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	14	1.52
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	14	1.52
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	14	1.52
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	13	1.52
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	13	1.52
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	13	1.52
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	13	1.52
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	13	1.52
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	13	1.52
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	11	1.52
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	11	1.52
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	11	1.52
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	11	1.52
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	11	1.52
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	11	1.52
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	11	1.52
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	11	1.52
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	11	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	14	1.52
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	14	1.52
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	14	1.52
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	14	1.52
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	14	1.52
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	14	1.52
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	14	1.52
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	14	1.52
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	14	1.52
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	15	1.52
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	15	1.52
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	15	1.52
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	17	1.52
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	17	1.52
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	17	1.52
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	5	1.52
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	5	1.52
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	5	1.52
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	5	1.52
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	5	1.52
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	5	1.52
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	13	1.52
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	13	1.52
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	13	1.52
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	13	1.52
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	13	1.52
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	13	1.52
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	17	1.52
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	17	1.52
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	17	1.52
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	17	1.52
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	17	1.52
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	17	1.52
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	10	1.52
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	10	1.52
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	10	1.52
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	10	1.52
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	10	1.52
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	10	1.52
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	10	1.52
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	10	1.52
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	10	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	11	1.52
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	11	1.52
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	11	1.52
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	11	1.52
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	11	1.52
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	11	1.52
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	11	1.52
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	11	1.52
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	11	1.52
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	14	1.52
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	14	1.52
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	14	1.52
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	14	1.52
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	14	1.52
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	14	1.52
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	17	1.51
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	17	1.51
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	17	1.51
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	4	1.51
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	4	1.51
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	4	1.51
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	4	1.51
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	4	1.51
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	4	1.51
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	11	1.51
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	11	1.51
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	11	1.51
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	14	1.51
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	14	1.51
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	14	1.51
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	14	1.51
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	14	1.51
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	14	1.51
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	16	1.51
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	16	1.51
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	16	1.51
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	16	1.51
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	16	1.51
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	16	1.51
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	14	1.51
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	14	1.51
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	14	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	14	1.51
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	14	1.51
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	14	1.51
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD21	13	1.51
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD22	13	1.51
(1,1755)	1:65:A:TRP:HH2	1:72:A:LEU:HD23	13	1.51
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD11	14	1.51
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD12	14	1.51
(1,1753)	1:141:A:GLY:H	1:101:A:LEU:HD13	14	1.51
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG21	7	1.51
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG22	7	1.51
(1,690)	1:116:A:VAL:HG11	1:164:A:ILE:HG23	7	1.51
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG21	7	1.51
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG22	7	1.51
(1,690)	1:116:A:VAL:HG12	1:164:A:ILE:HG23	7	1.51
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG21	7	1.51
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG22	7	1.51
(1,690)	1:116:A:VAL:HG13	1:164:A:ILE:HG23	7	1.51
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG11	7	1.51
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG12	7	1.51
(1,642)	1:164:A:ILE:HG21	1:116:A:VAL:HG13	7	1.51
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG11	7	1.51
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG12	7	1.51
(1,642)	1:164:A:ILE:HG22	1:116:A:VAL:HG13	7	1.51
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG11	7	1.51
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG12	7	1.51
(1,642)	1:164:A:ILE:HG23	1:116:A:VAL:HG13	7	1.51
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG21	6	1.51
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG22	6	1.51
(1,479)	1:84:A:LEU:HG	1:82:A:VAL:HG23	6	1.51
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	9	1.51
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	9	1.51
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	9	1.51
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	9	1.51
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	9	1.51
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	9	1.51
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	13	1.51
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	13	1.51
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	13	1.51
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	13	1.51
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	13	1.51
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	13	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	15	1.51
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	15	1.51
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	15	1.51
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	15	1.51
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	15	1.51
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	15	1.51
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	6	1.5
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	6	1.5
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	6	1.5
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	6	1.5
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	6	1.5
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	6	1.5
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	14	1.5
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	14	1.5
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	14	1.5
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	6	1.5
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	6	1.5
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	6	1.5
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	6	1.5
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	6	1.5
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	6	1.5
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	18	1.5
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	18	1.5
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	18	1.5
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	18	1.5
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	18	1.5
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	18	1.5
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	9	1.5
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	9	1.5
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	9	1.5
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	14	1.5
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	14	1.5
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	14	1.5
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	17	1.5
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	17	1.5
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	17	1.5
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	17	1.5
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	17	1.5
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	17	1.5
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	17	1.5
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	17	1.5
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	13	1.49
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	13	1.49
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	13	1.49
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	13	1.49
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	13	1.49
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	13	1.49
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	13	1.49
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	13	1.49
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	13	1.49
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	7	1.49
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	7	1.49
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	7	1.49
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	8	1.49
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	8	1.49
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	8	1.49
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	8	1.49
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	8	1.49
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	8	1.49
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	4	1.49
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	4	1.49
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	4	1.49
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	4	1.49
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	4	1.49
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	4	1.49
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	13	1.49
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	13	1.49
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	13	1.49
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	13	1.49
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	13	1.49
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	13	1.49
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	13	1.49
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	13	1.49
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	13	1.49
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	3	1.49
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	3	1.49
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	3	1.49
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	3	1.49
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	3	1.49
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	3	1.49
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	20	1.49
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	20	1.49
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	20	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	20	1.49
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	20	1.49
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	20	1.49
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	4	1.49
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	4	1.49
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	4	1.49
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	4	1.49
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	4	1.49
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	4	1.49
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	12	1.49
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	12	1.49
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	12	1.49
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	12	1.49
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	12	1.49
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	12	1.49
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	8	1.48
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	8	1.48
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	8	1.48
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	9	1.48
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	9	1.48
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	9	1.48
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	11	1.48
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	11	1.48
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	11	1.48
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	18	1.48
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	18	1.48
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	18	1.48
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	18	1.48
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	18	1.48
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	18	1.48
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	10	1.48
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	10	1.48
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	10	1.48
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	11	1.48
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	11	1.48
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	11	1.48
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	7	1.48
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	7	1.48
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	7	1.48
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	8	1.48
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	8	1.48
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	8	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	8	1.48
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	8	1.48
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	8	1.48
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	20	1.48
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	20	1.48
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	20	1.48
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	20	1.48
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	20	1.48
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	20	1.48
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	16	1.48
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	16	1.48
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	16	1.48
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	16	1.48
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	16	1.48
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	16	1.48
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	16	1.48
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	16	1.48
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	16	1.48
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	13	1.47
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	13	1.47
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	13	1.47
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	19	1.47
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	19	1.47
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	19	1.47
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	19	1.47
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	19	1.47
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	19	1.47
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	11	1.47
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	11	1.47
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	11	1.47
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	11	1.47
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	11	1.47
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	11	1.47
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	11	1.47
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	11	1.47
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	11	1.47
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	17	1.47
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	17	1.47
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	17	1.47
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	17	1.47
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	17	1.47
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	17	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	11	1.47
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	11	1.47
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	11	1.47
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	6	1.47
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	6	1.47
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	6	1.47
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	6	1.47
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	6	1.47
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	6	1.47
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	18	1.47
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	18	1.47
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	18	1.47
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	18	1.47
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	18	1.47
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	18	1.47
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	18	1.47
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	18	1.47
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	18	1.47
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	9	1.46
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	9	1.46
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	9	1.46
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	18	1.46
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	18	1.46
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	18	1.46
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	4	1.46
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	4	1.46
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	4	1.46
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	4	1.46
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	4	1.46
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	4	1.46
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	10	1.46
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	10	1.46
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	10	1.46
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	10	1.46
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	10	1.46
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	10	1.46
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	15	1.46
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	15	1.46
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	15	1.46
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	15	1.46
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	15	1.46
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	15	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG11	9	1.46
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG12	9	1.46
(1,640)	1:83:A:ALA:HB1	1:116:A:VAL:HG13	9	1.46
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG11	9	1.46
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG12	9	1.46
(1,640)	1:83:A:ALA:HB2	1:116:A:VAL:HG13	9	1.46
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG11	9	1.46
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG12	9	1.46
(1,640)	1:83:A:ALA:HB3	1:116:A:VAL:HG13	9	1.46
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD11	20	1.46
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD12	20	1.46
(1,432)	1:7:A:TYR:HB2	1:5:A:LEU:HD13	20	1.46
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD11	20	1.46
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD12	20	1.46
(1,432)	1:7:A:TYR:HB3	1:5:A:LEU:HD13	20	1.46
(1,390)	1:101:A:LEU:HG	1:84:A:LEU:HD21	1	1.46
(1,390)	1:101:A:LEU:HG	1:84:A:LEU:HD22	1	1.46
(1,390)	1:101:A:LEU:HG	1:84:A:LEU:HD23	1	1.46
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	9	1.45
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	9	1.45
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	9	1.45
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	9	1.45
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	9	1.45
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	9	1.45
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	13	1.45
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	13	1.45
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	13	1.45
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	13	1.45
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	13	1.45
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	13	1.45
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	2	1.45
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	2	1.45
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	2	1.45
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	2	1.45
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	2	1.45
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	2	1.45
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	6	1.45
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	6	1.45
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	6	1.45
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	14	1.45
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	14	1.45
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	14	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	14	1.45
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	14	1.45
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	14	1.45
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	15	1.45
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	15	1.45
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	15	1.45
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	15	1.45
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	15	1.45
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	15	1.45
(1,2679)	1:5:A:LEU:HD11	1:6:A:PHE:H	5	1.44
(1,2679)	1:5:A:LEU:HD12	1:6:A:PHE:H	5	1.44
(1,2679)	1:5:A:LEU:HD13	1:6:A:PHE:H	5	1.44
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	14	1.44
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	14	1.44
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	14	1.44
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	14	1.44
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	14	1.44
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	14	1.44
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	19	1.44
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	19	1.44
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	19	1.44
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG11	2	1.44
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG12	2	1.44
(1,2306)	1:109:A:SER:HA	1:113:A:VAL:HG13	2	1.44
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	7	1.44
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	7	1.44
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	7	1.44
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	7	1.44
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	7	1.44
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	7	1.44
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	20	1.44
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	20	1.44
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	20	1.44
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	20	1.44
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	20	1.44
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	20	1.44
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	19	1.44
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	19	1.44
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	19	1.44
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	7	1.44
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	7	1.44
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	7	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	7	1.44
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	7	1.44
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	7	1.44
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	7	1.44
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	7	1.44
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	7	1.44
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	11	1.44
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	11	1.44
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	11	1.44
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	8	1.44
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	8	1.44
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	8	1.44
(1,1224)	1:113:A:VAL:HG11	1:109:A:SER:HA	2	1.44
(1,1224)	1:113:A:VAL:HG12	1:109:A:SER:HA	2	1.44
(1,1224)	1:113:A:VAL:HG13	1:109:A:SER:HA	2	1.44
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD11	5	1.44
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD12	5	1.44
(1,865)	1:6:A:PHE:H	1:5:A:LEU:HD13	5	1.44
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	10	1.44
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	10	1.44
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	10	1.44
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	10	1.44
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	10	1.44
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	10	1.44
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	5	1.44
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	5	1.44
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	5	1.44
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	5	1.44
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	5	1.44
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	5	1.44
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	6	1.44
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	6	1.44
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	6	1.44
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	6	1.44
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	6	1.44
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	6	1.44
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	8	1.44
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	8	1.44
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	8	1.44
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	8	1.44
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	8	1.44
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	8	1.44
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	8	1.44
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	8	1.44
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	11	1.44
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	11	1.44
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	11	1.44
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	14	1.43
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	14	1.43
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	14	1.43
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	13	1.43
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	13	1.43
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	13	1.43
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	15	1.43
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	15	1.43
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	15	1.43
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	15	1.43
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	15	1.43
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	15	1.43
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	5	1.43
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	5	1.43
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	5	1.43
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	5	1.43
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	5	1.43
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	5	1.43
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	4	1.43
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	4	1.43
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	4	1.43
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	4	1.43
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	4	1.43
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	4	1.43
(1,540)	1:1:A:MET:HG2	1:48:A:VAL:HG21	15	1.43
(1,540)	1:1:A:MET:HG2	1:48:A:VAL:HG22	15	1.43
(1,540)	1:1:A:MET:HG2	1:48:A:VAL:HG23	15	1.43
(1,540)	1:1:A:MET:HG3	1:48:A:VAL:HG21	15	1.43
(1,540)	1:1:A:MET:HG3	1:48:A:VAL:HG22	15	1.43
(1,540)	1:1:A:MET:HG3	1:48:A:VAL:HG23	15	1.43
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	12	1.43
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	12	1.43
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	12	1.43
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	12	1.43
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	12	1.43
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	12	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	12	1.43
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	12	1.43
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	12	1.43
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	20	1.43
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	20	1.43
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	20	1.43
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	20	1.43
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	20	1.43
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	20	1.43
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	20	1.43
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	20	1.43
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	20	1.43
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	14	1.43
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	14	1.43
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	14	1.43
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	14	1.43
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	14	1.43
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	14	1.43
(1,295)	1:48:A:VAL:HG21	1:1:A:MET:HG2	15	1.43
(1,295)	1:48:A:VAL:HG21	1:1:A:MET:HG3	15	1.43
(1,295)	1:48:A:VAL:HG22	1:1:A:MET:HG2	15	1.43
(1,295)	1:48:A:VAL:HG22	1:1:A:MET:HG3	15	1.43
(1,295)	1:48:A:VAL:HG23	1:1:A:MET:HG2	15	1.43
(1,295)	1:48:A:VAL:HG23	1:1:A:MET:HG3	15	1.43
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	7	1.42
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	7	1.42
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	2	1.42
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	2	1.42
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	2	1.42
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	2	1.42
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	2	1.42
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	2	1.42
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	6	1.42
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	6	1.42
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	6	1.42
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	19	1.42
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	19	1.42
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	19	1.42
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	7	1.42
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	7	1.42
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	6	1.42
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	6	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	6	1.42
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	6	1.42
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	6	1.42
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	6	1.42
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	19	1.42
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	19	1.42
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	19	1.42
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	19	1.42
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	19	1.42
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	19	1.42
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	2	1.42
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	2	1.42
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	2	1.42
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	2	1.42
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	2	1.42
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	2	1.42
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	11	1.42
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	11	1.42
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	11	1.42
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	11	1.42
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	11	1.42
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	11	1.42
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	15	1.42
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	15	1.42
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	15	1.42
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	15	1.42
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	15	1.42
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	15	1.42
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	5	1.41
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	5	1.41
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	5	1.41
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	18	1.41
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	18	1.41
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	18	1.41
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	2	1.41
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	2	1.41
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	2	1.41
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	4	1.41
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	4	1.41
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	4	1.41
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	10	1.41
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	10	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	10	1.41
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	10	1.41
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	10	1.41
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	10	1.41
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	18	1.41
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	18	1.41
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	18	1.41
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	3	1.41
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	3	1.41
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	3	1.41
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	3	1.41
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	3	1.41
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	3	1.41
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	11	1.41
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	11	1.41
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	11	1.41
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	11	1.41
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	11	1.41
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	11	1.41
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	3	1.41
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	3	1.41
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	3	1.41
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	3	1.41
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	3	1.41
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	3	1.41
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	18	1.41
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	18	1.41
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	18	1.41
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	18	1.41
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	18	1.41
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	18	1.41
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	14	1.41
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	14	1.41
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	14	1.41
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	14	1.41
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	14	1.41
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	14	1.41
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	3	1.41
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	3	1.41
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	3	1.41
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	3	1.41
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	3	1.41
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	11	1.41
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	11	1.41
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	11	1.41
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	11	1.41
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	11	1.41
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	11	1.41
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	12	1.41
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	12	1.41
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	12	1.41
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	12	1.41
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	12	1.41
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	12	1.41
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	8	1.4
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	8	1.4
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	8	1.4
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	8	1.4
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	8	1.4
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	8	1.4
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	20	1.4
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	20	1.4
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	20	1.4
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	2	1.4
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	2	1.4
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	2	1.4
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	2	1.4
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	2	1.4
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	2	1.4
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	2	1.4
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	2	1.4
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	2	1.4
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	5	1.4
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	5	1.4
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	5	1.4
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	5	1.4
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	5	1.4
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	5	1.4
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	5	1.4
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	5	1.4
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	5	1.4
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD11	17	1.4
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD12	17	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD13	17	1.4
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD11	17	1.4
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD12	17	1.4
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD13	17	1.4
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	17	1.4
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	17	1.4
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	17	1.4
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	18	1.4
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	18	1.4
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	18	1.4
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	2	1.4
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	2	1.4
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	2	1.4
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	2	1.4
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	2	1.4
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	2	1.4
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	2	1.4
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	2	1.4
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	2	1.4
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	11	1.39
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	11	1.39
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	11	1.39
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	13	1.39
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	13	1.39
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	13	1.39
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	10	1.39
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	10	1.39
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	10	1.39
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	20	1.39
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	20	1.39
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	20	1.39
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	19	1.39
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	19	1.39
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	19	1.39
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	2	1.39
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	2	1.39
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	2	1.39
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	2	1.39
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	2	1.39
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	2	1.39
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	14	1.39
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	14	1.39
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	14	1.39
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	14	1.39
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	14	1.39
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	16	1.39
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	16	1.39
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	16	1.39
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	16	1.39
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	16	1.39
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	16	1.39
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	16	1.39
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	16	1.39
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	16	1.39
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	8	1.39
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	8	1.39
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	8	1.39
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	8	1.39
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	8	1.39
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	8	1.39
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	8	1.38
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	8	1.38
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	8	1.38
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	9	1.38
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	9	1.38
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	9	1.38
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	7	1.38
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	7	1.38
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	7	1.38
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	7	1.38
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	7	1.38
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	7	1.38
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	7	1.38
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	7	1.38
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	7	1.38
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	15	1.38
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	15	1.38
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	15	1.38
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	18	1.38
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	18	1.38
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	18	1.38
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	18	1.38
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	18	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	18	1.38
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	18	1.38
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	18	1.38
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	18	1.38
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	18	1.38
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	18	1.38
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	18	1.38
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	4	1.38
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	4	1.38
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	4	1.38
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	4	1.38
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	4	1.38
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	4	1.38
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	18	1.38
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	18	1.38
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	18	1.38
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	18	1.38
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	18	1.38
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	18	1.38
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	4	1.38
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	4	1.38
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	4	1.38
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	4	1.38
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	4	1.38
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	4	1.38
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	4	1.38
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	4	1.38
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	4	1.38
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	12	1.38
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	12	1.38
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	12	1.38
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	12	1.38
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	12	1.38
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	12	1.38
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	8	1.38
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	8	1.38
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	8	1.38
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	8	1.38
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	8	1.38
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	8	1.38
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	8	1.38
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	8	1.38
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	7	1.38
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	7	1.38
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	7	1.38
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	7	1.38
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	7	1.38
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	7	1.38
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	7	1.38
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	7	1.38
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	7	1.38
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	18	1.38
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	18	1.38
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	18	1.38
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	18	1.38
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	18	1.38
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	18	1.38
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	7	1.38
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	7	1.38
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	7	1.38
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	7	1.38
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	7	1.38
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	7	1.38
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	17	1.38
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	17	1.38
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	17	1.38
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	17	1.38
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	17	1.38
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	17	1.38
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	3	1.37
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	3	1.37
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	3	1.37
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	19	1.37
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	19	1.37
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	19	1.37
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	11	1.37
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	11	1.37
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	11	1.37
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	5	1.37
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	5	1.37
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	5	1.37
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	5	1.37
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	5	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	5	1.37
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	12	1.37
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	12	1.37
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	12	1.37
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	12	1.37
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	12	1.37
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	12	1.37
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	3	1.37
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	3	1.37
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	3	1.37
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	17	1.37
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	17	1.37
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	17	1.37
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	17	1.37
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	17	1.37
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	17	1.37
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	19	1.37
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	19	1.37
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	19	1.37
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	19	1.37
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	19	1.37
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	19	1.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	7	1.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	7	1.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	7	1.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	7	1.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	7	1.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	7	1.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	9	1.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	9	1.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	9	1.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	9	1.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	9	1.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	9	1.37
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	3	1.37
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	3	1.37
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	3	1.37
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	3	1.37
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	3	1.37
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	3	1.37
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	3	1.37
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	3	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	3	1.37
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	4	1.37
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	4	1.37
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	4	1.37
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	4	1.37
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	4	1.37
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	4	1.37
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	19	1.37
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	19	1.37
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	19	1.37
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	2	1.37
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	2	1.37
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	2	1.37
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	2	1.37
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	2	1.37
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	2	1.37
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	2	1.37
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	2	1.37
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	2	1.37
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	9	1.37
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	9	1.37
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	9	1.37
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	9	1.37
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	9	1.37
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	9	1.37
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	9	1.37
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	9	1.37
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	9	1.37
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	13	1.37
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	13	1.37
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	13	1.37
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	13	1.37
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	13	1.37
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	13	1.37
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	19	1.36
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	19	1.36
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	19	1.36
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	6	1.36
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	6	1.36
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	6	1.36
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	6	1.36
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	6	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	6	1.36
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	6	1.36
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	6	1.36
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	6	1.36
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	10	1.36
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	10	1.36
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	10	1.36
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	10	1.36
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	10	1.36
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	10	1.36
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	10	1.36
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	10	1.36
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	10	1.36
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	2	1.36
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	2	1.36
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	2	1.36
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	2	1.36
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	2	1.36
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	2	1.36
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	6	1.36
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	6	1.36
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	6	1.36
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	6	1.36
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	6	1.36
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	6	1.36
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	2	1.36
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	2	1.36
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	2	1.36
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	2	1.36
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	2	1.36
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	2	1.36
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	14	1.36
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	14	1.36
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	14	1.36
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	14	1.36
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	14	1.36
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	14	1.36
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	14	1.36
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	14	1.36
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	14	1.36
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	14	1.36
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	14	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	14	1.36
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG21	6	1.36
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG22	6	1.36
(1,530)	1:107:A:LYS:HD2	1:110:A:THR:HG23	6	1.36
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG21	6	1.36
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG22	6	1.36
(1,530)	1:107:A:LYS:HD3	1:110:A:THR:HG23	6	1.36
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	17	1.36
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	17	1.36
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	17	1.36
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	20	1.36
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	20	1.36
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	20	1.36
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	12	1.36
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	12	1.36
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	12	1.36
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	12	1.36
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	12	1.36
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	12	1.36
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	13	1.36
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	13	1.36
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	13	1.36
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	13	1.36
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	13	1.36
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	13	1.36
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	16	1.36
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	16	1.36
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	16	1.36
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	16	1.36
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	16	1.36
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	16	1.36
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	1	1.36
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	1	1.36
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	1	1.36
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	1	1.36
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	1	1.36
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	1	1.36
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	19	1.36
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	19	1.36
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	19	1.36
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	19	1.36
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	19	1.36
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	12	1.35
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	12	1.35
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	12	1.35
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	12	1.35
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	12	1.35
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	12	1.35
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	1	1.35
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	1	1.35
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	1	1.35
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	9	1.35
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	9	1.35
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	9	1.35
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	9	1.35
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	9	1.35
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	9	1.35
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	9	1.35
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	9	1.35
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	9	1.35
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	18	1.35
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	18	1.35
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	18	1.35
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	18	1.35
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	18	1.35
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	18	1.35
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	12	1.35
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	12	1.35
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	12	1.35
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	12	1.35
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	12	1.35
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	12	1.35
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	14	1.35
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	14	1.35
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	14	1.35
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	2	1.35
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	2	1.35
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	2	1.35
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	2	1.35
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	2	1.35
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	2	1.35
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	10	1.35
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	10	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	10	1.35
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	10	1.35
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	10	1.35
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	10	1.35
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	6	1.35
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	6	1.35
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	6	1.35
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	6	1.35
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	6	1.35
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	6	1.35
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	6	1.35
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	6	1.35
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	6	1.35
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	6	1.35
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	6	1.35
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	6	1.35
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	16	1.35
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	16	1.35
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	16	1.35
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	16	1.35
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	16	1.35
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	16	1.35
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	16	1.35
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	16	1.35
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	16	1.35
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	16	1.35
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	16	1.35
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	16	1.35
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	9	1.35
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	9	1.35
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	9	1.35
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	9	1.35
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	9	1.35
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	9	1.35
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	9	1.35
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	9	1.35
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	9	1.35
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	7	1.35
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	7	1.35
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	7	1.35
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	8	1.35
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	8	1.35
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	19	1.35
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	19	1.35
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	19	1.35
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	19	1.35
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	19	1.35
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	19	1.35
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	14	1.35
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	14	1.35
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	14	1.35
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	14	1.35
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	14	1.35
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	14	1.35
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	16	1.35
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	16	1.35
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	16	1.35
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	16	1.35
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	16	1.35
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	16	1.35
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	13	1.35
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	13	1.35
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	13	1.35
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	14	1.35
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	14	1.35
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	14	1.35
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	18	1.34
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	18	1.34
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	18	1.34
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	18	1.34
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	18	1.34
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	18	1.34
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	18	1.34
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	18	1.34
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	18	1.34
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	4	1.34
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	4	1.34
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	4	1.34
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	3	1.34
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	3	1.34
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	3	1.34
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	3	1.34
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	3	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	3	1.34
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	6	1.34
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	6	1.34
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	6	1.34
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	6	1.34
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	6	1.34
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	6	1.34
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	5	1.34
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	5	1.34
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	5	1.34
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	5	1.34
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	5	1.34
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	5	1.34
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	6	1.34
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	6	1.34
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	6	1.34
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	6	1.34
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	6	1.34
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	6	1.34
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	18	1.34
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	18	1.34
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	18	1.34
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	18	1.34
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	18	1.34
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	18	1.34
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	18	1.34
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	18	1.34
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	18	1.34
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	18	1.34
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	18	1.34
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	18	1.34
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	18	1.34
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	18	1.34
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	18	1.34
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	1	1.34
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	1	1.34
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	1	1.34
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	17	1.34
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	17	1.34
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	17	1.34
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	17	1.34
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	17	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	17	1.34
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG21	16	1.34
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG22	16	1.34
(1,477)	1:115:A:PHE:HD1	1:82:A:VAL:HG23	16	1.34
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG21	16	1.34
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG22	16	1.34
(1,477)	1:115:A:PHE:HD2	1:82:A:VAL:HG23	16	1.34
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	2	1.34
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	2	1.34
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	2	1.34
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	2	1.34
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	2	1.34
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	2	1.34
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	9	1.34
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	9	1.34
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	9	1.34
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	9	1.34
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	9	1.34
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	9	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	2	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	2	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	2	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	2	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	2	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	2	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	4	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	4	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	4	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	4	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	4	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	4	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	8	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	8	1.34
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	8	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	8	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	8	1.34
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	8	1.34
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	15	1.33
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	15	1.33
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	15	1.33
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	10	1.33
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	10	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	10	1.33
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	10	1.33
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	10	1.33
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	10	1.33
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	17	1.33
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	17	1.33
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	17	1.33
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	17	1.33
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	17	1.33
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	17	1.33
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	17	1.33
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	17	1.33
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	17	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	4	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	4	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	4	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	4	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	4	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	4	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	13	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	13	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	13	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	13	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	13	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	13	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	17	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	17	1.33
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	17	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	17	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	17	1.33
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	17	1.33
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	15	1.33
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	15	1.33
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	15	1.33
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	1	1.32
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	1	1.32
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	1	1.32
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	1	1.32
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	1	1.32
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	1	1.32
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	2	1.32
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	2	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	2	1.32
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	20	1.32
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	20	1.32
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	20	1.32
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	20	1.32
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	20	1.32
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	20	1.32
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	1	1.32
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	1	1.32
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	1	1.32
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	2	1.32
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	2	1.32
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	2	1.32
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	4	1.32
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	4	1.32
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	4	1.32
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	4	1.32
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	4	1.32
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	4	1.32
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	6	1.32
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	6	1.32
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	6	1.32
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	6	1.32
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	6	1.32
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	6	1.32
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	11	1.32
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	11	1.32
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	11	1.32
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	11	1.32
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	11	1.32
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	11	1.32
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	16	1.32
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	16	1.32
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	16	1.32
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	16	1.32
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	16	1.32
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	16	1.32
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	7	1.32
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	7	1.32
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	7	1.32
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	7	1.32
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	7	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	7	1.32
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	7	1.32
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	7	1.32
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	7	1.32
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	6	1.32
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	6	1.32
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	6	1.32
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	6	1.32
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	6	1.32
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	6	1.32
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG11	15	1.32
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG12	15	1.32
(1,1209)	1:114:A:LYS:H	1:82:A:VAL:HG13	15	1.32
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	6	1.32
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	6	1.32
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	6	1.32
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	6	1.32
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	6	1.32
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	6	1.32
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	6	1.32
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	6	1.32
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	6	1.32
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	3	1.32
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	3	1.32
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	3	1.32
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	3	1.32
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	3	1.32
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	3	1.32
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	11	1.32
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	11	1.32
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	11	1.32
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	11	1.32
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	11	1.32
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	11	1.32
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	15	1.32
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	15	1.32
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	15	1.32
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	15	1.32
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	15	1.32
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	15	1.32
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	16	1.32
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	16	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	16	1.32
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	16	1.32
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	16	1.32
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	16	1.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	16	1.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	16	1.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	16	1.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	16	1.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	16	1.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	16	1.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	16	1.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	16	1.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	16	1.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	16	1.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	16	1.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	16	1.32
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	11	1.31
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	11	1.31
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	11	1.31
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	14	1.31
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	14	1.31
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	14	1.31
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	10	1.31
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	10	1.31
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	10	1.31
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	10	1.31
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	10	1.31
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	10	1.31
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	11	1.31
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	11	1.31
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	11	1.31
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	14	1.31
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	14	1.31
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	14	1.31
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	16	1.31
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	16	1.31
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	16	1.31
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	16	1.31
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	16	1.31
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	16	1.31
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	16	1.31
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	16	1.31
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	18	1.31
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	18	1.31
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	18	1.31
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	18	1.31
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	18	1.31
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	18	1.31
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	14	1.31
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	14	1.31
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	14	1.31
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	14	1.31
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	14	1.31
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	14	1.31
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	8	1.31
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	8	1.31
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	8	1.31
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	8	1.31
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	8	1.31
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	8	1.31
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	8	1.31
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	8	1.31
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	8	1.31
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	9	1.31
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	9	1.31
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	9	1.31
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	9	1.31
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	9	1.31
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	9	1.31
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	3	1.31
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	3	1.31
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	3	1.31
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	3	1.31
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	3	1.31
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	3	1.31
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	3	1.31
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	3	1.31
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	3	1.31
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	20	1.31
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	20	1.31
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	20	1.31
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	20	1.31
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	20	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	20	1.31
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	11	1.31
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	11	1.31
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	11	1.31
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	3	1.3
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	3	1.3
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	3	1.3
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	8	1.3
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	8	1.3
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	8	1.3
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	11	1.3
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	11	1.3
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	11	1.3
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	12	1.3
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	12	1.3
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	12	1.3
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	8	1.3
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	8	1.3
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	8	1.3
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	8	1.3
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	8	1.3
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	8	1.3
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	5	1.3
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	5	1.3
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	5	1.3
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	5	1.3
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	5	1.3
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	5	1.3
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	10	1.3
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	10	1.3
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	10	1.3
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	10	1.3
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	10	1.3
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	10	1.3
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	12	1.3
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	12	1.3
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	12	1.3
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	12	1.3
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	12	1.3
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	12	1.3
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	12	1.3
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	12	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	12	1.3
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	2	1.3
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	2	1.3
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	2	1.3
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	2	1.3
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	2	1.3
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	2	1.3
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	5	1.3
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	5	1.3
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	5	1.3
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	5	1.3
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	5	1.3
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	5	1.3
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	5	1.3
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	5	1.3
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	5	1.3
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	5	1.3
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	5	1.3
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	5	1.3
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	12	1.3
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	12	1.3
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	12	1.3
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	12	1.3
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	12	1.3
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	12	1.3
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	12	1.3
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	12	1.3
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	12	1.3
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	3	1.3
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	3	1.3
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	3	1.3
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	8	1.3
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	8	1.3
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	8	1.3
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	18	1.29
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	18	1.29
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	18	1.29
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	18	1.29
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	18	1.29
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	18	1.29
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	18	1.29
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	18	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	18	1.29
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	8	1.29
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	8	1.29
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	8	1.29
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	8	1.29
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	8	1.29
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	8	1.29
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	13	1.29
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	13	1.29
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	13	1.29
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	13	1.29
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	13	1.29
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	13	1.29
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	13	1.29
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	13	1.29
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	13	1.29
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	1	1.29
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	1	1.29
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	1	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	1	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	1	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	1	1.29
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	7	1.29
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	7	1.29
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	7	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	7	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	7	1.29
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	7	1.29
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	13	1.29
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	13	1.29
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	13	1.29
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	13	1.29
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	13	1.29
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	13	1.29
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	13	1.29
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	13	1.29
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	13	1.29
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	15	1.29
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	15	1.29
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	15	1.29
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	9	1.29
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	9	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	9	1.29
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	9	1.29
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	9	1.29
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	9	1.29
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	9	1.28
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	9	1.28
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	9	1.28
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	14	1.28
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	14	1.28
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	14	1.28
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	3	1.28
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	3	1.28
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	3	1.28
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	3	1.28
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	3	1.28
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	3	1.28
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	12	1.28
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	12	1.28
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	12	1.28
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	3	1.28
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	3	1.28
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	3	1.28
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	6	1.28
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	6	1.28
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	6	1.28
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	6	1.28
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	6	1.28
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	6	1.28
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	9	1.28
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	9	1.28
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	9	1.28
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	9	1.28
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	9	1.28
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	9	1.28
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	1	1.28
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	1	1.28
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	1	1.28
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	1	1.28
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	1	1.28
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	1	1.28
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	1	1.28
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	1	1.28
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	9	1.28
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	9	1.28
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	9	1.28
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	12	1.28
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	12	1.28
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	12	1.28
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	12	1.28
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	12	1.28
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	12	1.28
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	6	1.28
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	6	1.28
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	6	1.28
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	6	1.28
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	6	1.28
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	6	1.28
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	6	1.28
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	6	1.28
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	6	1.28
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	6	1.28
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	6	1.28
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	6	1.28
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	6	1.28
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	6	1.28
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	6	1.28
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	6	1.28
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	6	1.28
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	6	1.28
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	8	1.27
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	8	1.27
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	8	1.27
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	12	1.27
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	12	1.27
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	12	1.27
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	16	1.27
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	16	1.27
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	16	1.27
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	16	1.27
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	16	1.27
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	16	1.27
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	8	1.27
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	8	1.27
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	9	1.27
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	9	1.27
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	9	1.27
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	2	1.27
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	2	1.27
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	2	1.27
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	2	1.27
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	2	1.27
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	2	1.27
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	14	1.27
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	14	1.27
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	14	1.27
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	14	1.27
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	14	1.27
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	14	1.27
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	14	1.27
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	14	1.27
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	14	1.27
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	9	1.27
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	9	1.27
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	9	1.27
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	13	1.27
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	13	1.27
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	13	1.27
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	13	1.27
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	13	1.27
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	13	1.27
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	4	1.27
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	4	1.27
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	4	1.27
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	4	1.27
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	4	1.27
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	4	1.27
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	4	1.27
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	4	1.27
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	4	1.27
(1,1524)	1:82:A:VAL:HA	1:48:A:VAL:HG11	15	1.27
(1,1524)	1:82:A:VAL:HA	1:48:A:VAL:HG12	15	1.27
(1,1524)	1:82:A:VAL:HA	1:48:A:VAL:HG13	15	1.27
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	7	1.27
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	7	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	7	1.27
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	7	1.27
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	7	1.27
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	7	1.27
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	7	1.27
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	7	1.27
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	7	1.27
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	8	1.27
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	8	1.27
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	8	1.27
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	8	1.27
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	8	1.27
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	8	1.27
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	8	1.27
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	8	1.27
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	8	1.27
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	7	1.27
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	7	1.27
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	7	1.27
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	7	1.27
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	7	1.27
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	7	1.27
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	7	1.27
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	7	1.27
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	7	1.27
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	7	1.27
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	7	1.27
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	7	1.27
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	7	1.27
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	7	1.27
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	7	1.27
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	7	1.27
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	7	1.27
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	7	1.27
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	4	1.27
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	4	1.27
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	4	1.27
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	12	1.27
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	12	1.27
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	12	1.27
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	15	1.27
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	15	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	15	1.27
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	15	1.27
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	15	1.27
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	15	1.27
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	15	1.27
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	15	1.27
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	15	1.27
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	2	1.26
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	2	1.26
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	2	1.26
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	1	1.26
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	1	1.26
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	1	1.26
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	1	1.26
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	1	1.26
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	1	1.26
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	15	1.26
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	15	1.26
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	15	1.26
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	11	1.26
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	11	1.26
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	11	1.26
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	5	1.26
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	5	1.26
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	5	1.26
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	5	1.26
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	5	1.26
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	5	1.26
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	5	1.26
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	5	1.26
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	5	1.26
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	5	1.26
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	5	1.26
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	5	1.26
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	5	1.26
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	5	1.26
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	5	1.26
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	5	1.26
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	5	1.26
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	5	1.26
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	15	1.26
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	15	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	15	1.26
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	16	1.26
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	16	1.26
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	16	1.26
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	16	1.26
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	16	1.26
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	16	1.26
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	16	1.26
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	16	1.26
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	16	1.26
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	1	1.26
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	1	1.26
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	1	1.26
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	1	1.26
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	1	1.26
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	1	1.26
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	3	1.26
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	3	1.26
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	3	1.26
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	3	1.26
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	3	1.26
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	3	1.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	6	1.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	6	1.26
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	6	1.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	6	1.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	6	1.26
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	6	1.26
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	6	1.26
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	6	1.26
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	6	1.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	6	1.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	6	1.26
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	6	1.26
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	19	1.26
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	19	1.26
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	19	1.26
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	19	1.26
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	19	1.26
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	19	1.26
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	1	1.26
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	1	1.26
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	1	1.26
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	1	1.26
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	1	1.26
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	2	1.26
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	2	1.26
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	2	1.26
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	11	1.25
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	11	1.25
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	11	1.25
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	20	1.25
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	20	1.25
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	20	1.25
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	20	1.25
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	20	1.25
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	20	1.25
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG21	4	1.25
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG22	4	1.25
(1,2353)	1:133:A:ILE:HD11	1:140:A:VAL:HG23	4	1.25
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG21	4	1.25
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG22	4	1.25
(1,2353)	1:133:A:ILE:HD12	1:140:A:VAL:HG23	4	1.25
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG21	4	1.25
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG22	4	1.25
(1,2353)	1:133:A:ILE:HD13	1:140:A:VAL:HG23	4	1.25
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	5	1.25
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	5	1.25
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	5	1.25
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	5	1.25
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	5	1.25
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	5	1.25
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	19	1.25
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	19	1.25
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	19	1.25
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	19	1.25
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	19	1.25
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	19	1.25
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	11	1.25
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	11	1.25
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	11	1.25
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	11	1.25
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	11	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	11	1.25
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD11	4	1.25
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD12	4	1.25
(1,761)	1:140:A:VAL:HG21	1:133:A:ILE:HD13	4	1.25
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD11	4	1.25
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD12	4	1.25
(1,761)	1:140:A:VAL:HG22	1:133:A:ILE:HD13	4	1.25
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD11	4	1.25
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD12	4	1.25
(1,761)	1:140:A:VAL:HG23	1:133:A:ILE:HD13	4	1.25
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	18	1.25
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	18	1.25
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	18	1.25
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	11	1.25
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	11	1.25
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	11	1.25
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	3	1.25
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	3	1.25
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	3	1.25
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	3	1.25
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	3	1.25
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	3	1.25
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	3	1.25
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	3	1.25
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	3	1.25
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	3	1.24
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	3	1.24
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	3	1.24
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	20	1.24
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	20	1.24
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	20	1.24
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	17	1.24
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	17	1.24
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	17	1.24
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	17	1.24
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	17	1.24
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	17	1.24
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	6	1.24
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	6	1.24
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	6	1.24
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	6	1.24
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	6	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	6	1.24
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	6	1.24
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	6	1.24
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	6	1.24
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG21	7	1.24
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG22	7	1.24
(1,1739)	1:114:A:LYS:HE2	1:116:A:VAL:HG23	7	1.24
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG21	7	1.24
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG22	7	1.24
(1,1739)	1:114:A:LYS:HE3	1:116:A:VAL:HG23	7	1.24
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	14	1.24
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	14	1.24
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	14	1.24
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	3	1.24
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	3	1.24
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	3	1.24
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	3	1.24
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	3	1.24
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	3	1.24
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	16	1.24
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	16	1.24
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	16	1.24
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	16	1.24
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	16	1.24
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	16	1.24
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	20	1.24
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	20	1.24
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	20	1.24
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	20	1.24
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	20	1.24
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	20	1.24
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	20	1.24
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	20	1.24
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	20	1.24
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	16	1.24
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	16	1.24
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	16	1.24
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	19	1.24
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	19	1.24
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	19	1.24
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD21	17	1.23
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD22	17	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:107:A:LYS:HE2	1:72:A:LEU:HD23	17	1.23
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD21	17	1.23
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD22	17	1.23
(1,2617)	1:107:A:LYS:HE3	1:72:A:LEU:HD23	17	1.23
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	15	1.23
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	15	1.23
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	15	1.23
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	9	1.23
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	9	1.23
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	9	1.23
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	9	1.23
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	9	1.23
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	9	1.23
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	12	1.23
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	12	1.23
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	12	1.23
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	12	1.23
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	12	1.23
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	12	1.23
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	17	1.23
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	17	1.23
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	17	1.23
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	17	1.23
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	17	1.23
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	17	1.23
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	9	1.23
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	9	1.23
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	9	1.23
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	9	1.23
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	9	1.23
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	9	1.23
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	9	1.23
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	9	1.23
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	9	1.23
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	2	1.23
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	2	1.23
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	2	1.23
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	2	1.23
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	2	1.23
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	2	1.23
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	2	1.23
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	2	1.23
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	14	1.23
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	14	1.23
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	14	1.23
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	12	1.23
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	12	1.23
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	12	1.23
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	12	1.23
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	12	1.23
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	12	1.23
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	8	1.23
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	8	1.23
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	8	1.23
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	8	1.23
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	8	1.23
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	8	1.23
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	8	1.23
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	8	1.23
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	8	1.23
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	19	1.23
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	19	1.23
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	19	1.23
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	19	1.23
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	19	1.23
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	19	1.23
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	19	1.23
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	19	1.23
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	19	1.23
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	16	1.23
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	16	1.23
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	16	1.23
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	16	1.23
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	16	1.23
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	16	1.23
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	16	1.23
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	16	1.23
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	16	1.23
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	16	1.23
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	16	1.23
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	16	1.23
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	9	1.23
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	9	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	9	1.23
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	9	1.23
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	9	1.23
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	9	1.23
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	9	1.23
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	9	1.23
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	9	1.23
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	7	1.23
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	7	1.23
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	7	1.23
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	7	1.23
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	7	1.23
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	7	1.23
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	20	1.23
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	20	1.23
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	20	1.23
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	20	1.23
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	20	1.23
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	20	1.23
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	18	1.23
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	18	1.23
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	18	1.23
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	18	1.23
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	18	1.23
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	18	1.23
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	14	1.23
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	14	1.23
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	14	1.23
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	14	1.23
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	14	1.23
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	14	1.23
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	7	1.22
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	7	1.22
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	7	1.22
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	20	1.22
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	20	1.22
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	20	1.22
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	16	1.22
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	16	1.22
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	16	1.22
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	16	1.22
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	16	1.22
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	14	1.22
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	14	1.22
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	14	1.22
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	14	1.22
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	14	1.22
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	14	1.22
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	14	1.22
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	14	1.22
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	14	1.22
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	1	1.22
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	1	1.22
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	1	1.22
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	1	1.22
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	1	1.22
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	1	1.22
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	15	1.22
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	15	1.22
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	15	1.22
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	15	1.22
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	15	1.22
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	15	1.22
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	16	1.22
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	16	1.22
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	16	1.22
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	16	1.22
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	16	1.22
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	16	1.22
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	13	1.22
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	13	1.22
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	13	1.22
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	13	1.22
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	13	1.22
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	13	1.22
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	13	1.22
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	13	1.22
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	13	1.22
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	13	1.22
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	13	1.22
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	13	1.22
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	13	1.22
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	13	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	13	1.22
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	19	1.22
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	19	1.22
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	19	1.22
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	19	1.22
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	19	1.22
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	19	1.22
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	14	1.22
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	14	1.22
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	14	1.22
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	14	1.22
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	14	1.22
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	14	1.22
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	6	1.21
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	6	1.21
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	6	1.21
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	12	1.21
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	12	1.21
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	12	1.21
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	17	1.21
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	17	1.21
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	17	1.21
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	16	1.21
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	16	1.21
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	16	1.21
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	12	1.21
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	12	1.21
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	12	1.21
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	17	1.21
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	17	1.21
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	17	1.21
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	20	1.21
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	20	1.21
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	20	1.21
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	20	1.21
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	20	1.21
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	20	1.21
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	20	1.21
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	20	1.21
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	20	1.21
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	6	1.21
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	6	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	6	1.21
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	6	1.21
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	6	1.21
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	6	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	6	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	6	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	6	1.21
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	10	1.21
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	10	1.21
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	10	1.21
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	10	1.21
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	10	1.21
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	10	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	10	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	10	1.21
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	10	1.21
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	16	1.21
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	16	1.21
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	16	1.21
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	8	1.21
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	8	1.21
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	8	1.21
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	8	1.21
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	8	1.21
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	8	1.21
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	12	1.21
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	12	1.21
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	12	1.21
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	12	1.21
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	12	1.21
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	12	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	11	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	11	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	11	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	11	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	11	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	11	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	11	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	11	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	11	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	16	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	16	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	16	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	16	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	16	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	16	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	16	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	16	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	16	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	17	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	17	1.21
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	17	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	17	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	17	1.21
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	17	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	17	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	17	1.21
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	17	1.21
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	16	1.21
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	16	1.21
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	16	1.21
(1,707)	1:48:A:VAL:HG21	1:1:A:MET:HE1	15	1.21
(1,707)	1:48:A:VAL:HG21	1:1:A:MET:HE2	15	1.21
(1,707)	1:48:A:VAL:HG21	1:1:A:MET:HE3	15	1.21
(1,707)	1:48:A:VAL:HG22	1:1:A:MET:HE1	15	1.21
(1,707)	1:48:A:VAL:HG22	1:1:A:MET:HE2	15	1.21
(1,707)	1:48:A:VAL:HG22	1:1:A:MET:HE3	15	1.21
(1,707)	1:48:A:VAL:HG23	1:1:A:MET:HE1	15	1.21
(1,707)	1:48:A:VAL:HG23	1:1:A:MET:HE2	15	1.21
(1,707)	1:48:A:VAL:HG23	1:1:A:MET:HE3	15	1.21
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	16	1.21
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	16	1.21
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	16	1.21
(1,551)	1:1:A:MET:HE1	1:48:A:VAL:HG21	15	1.21
(1,551)	1:1:A:MET:HE1	1:48:A:VAL:HG22	15	1.21
(1,551)	1:1:A:MET:HE1	1:48:A:VAL:HG23	15	1.21
(1,551)	1:1:A:MET:HE2	1:48:A:VAL:HG21	15	1.21
(1,551)	1:1:A:MET:HE2	1:48:A:VAL:HG22	15	1.21
(1,551)	1:1:A:MET:HE2	1:48:A:VAL:HG23	15	1.21
(1,551)	1:1:A:MET:HE3	1:48:A:VAL:HG21	15	1.21
(1,551)	1:1:A:MET:HE3	1:48:A:VAL:HG22	15	1.21
(1,551)	1:1:A:MET:HE3	1:48:A:VAL:HG23	15	1.21
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	13	1.21
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	13	1.21
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	13	1.21
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	13	1.21
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	13	1.21
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	13	1.21
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	13	1.21
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	13	1.21
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	13	1.21
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	13	1.21
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	13	1.21
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	7	1.21
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	7	1.21
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	7	1.21
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	7	1.21
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	7	1.21
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	7	1.21
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	7	1.21
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	7	1.21
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	7	1.21
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB2	3	1.2
(1,2603)	1:152:A:LEU:HD21	1:155:A:GLU:HB3	3	1.2
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB2	3	1.2
(1,2603)	1:152:A:LEU:HD22	1:155:A:GLU:HB3	3	1.2
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB2	3	1.2
(1,2603)	1:152:A:LEU:HD23	1:155:A:GLU:HB3	3	1.2
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	7	1.2
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	7	1.2
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	7	1.2
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	7	1.2
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	7	1.2
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	7	1.2
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	17	1.2
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	17	1.2
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	17	1.2
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	3	1.2
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	3	1.2
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	3	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	3	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	3	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	3	1.2
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	11	1.2
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	11	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	11	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	11	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	11	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	11	1.2
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	13	1.2
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	13	1.2
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	13	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	13	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	13	1.2
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	13	1.2
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	17	1.2
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	17	1.2
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	17	1.2
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	17	1.2
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	17	1.2
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	17	1.2
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	9	1.2
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	9	1.2
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	9	1.2
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	9	1.2
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	9	1.2
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	9	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	10	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	10	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	10	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	10	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	10	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	10	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	10	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	10	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	10	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	12	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	12	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	12	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	12	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	12	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	12	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	12	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	12	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	12	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	14	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	14	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	14	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	14	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	14	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	14	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	14	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	14	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	14	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	18	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	18	1.2
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	18	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	18	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	18	1.2
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	18	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	18	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	18	1.2
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	18	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	15	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	15	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	15	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	17	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	17	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	17	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	18	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	18	1.2
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	18	1.2
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	6	1.2
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	6	1.2
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	6	1.2
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	6	1.2
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	6	1.2
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	6	1.2
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	6	1.2
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	6	1.2
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	6	1.2
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	6	1.2
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	6	1.2
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	6	1.2
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD21	5	1.2
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD22	5	1.2
(1,416)	1:111:A:LYS:HG2	1:77:A:LEU:HD23	5	1.2
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD21	5	1.2
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD22	5	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:111:A:LYS:HG3	1:77:A:LEU:HD23	5	1.2
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	5	1.19
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	5	1.19
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	5	1.19
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	7	1.19
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	7	1.19
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	7	1.19
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	2	1.19
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	2	1.19
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	2	1.19
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	11	1.19
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	11	1.19
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	11	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	2	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	2	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	2	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	2	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	2	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	2	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	5	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	5	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	5	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	5	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	5	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	5	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	12	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	12	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	12	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	12	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	12	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	12	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	17	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	17	1.19
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	17	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	17	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	17	1.19
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	17	1.19
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	14	1.19
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	14	1.19
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	14	1.19
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	14	1.19
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	14	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	14	1.19
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	14	1.19
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	14	1.19
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	14	1.19
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	13	1.19
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	13	1.19
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	13	1.19
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	13	1.19
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	13	1.19
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	13	1.19
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	10	1.19
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	10	1.19
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	10	1.19
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	15	1.19
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	15	1.19
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	15	1.19
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	15	1.19
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	15	1.19
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	15	1.19
(1,480)	1:91:A:LEU:HA	1:91:A:LEU:HD21	19	1.19
(1,480)	1:91:A:LEU:HA	1:91:A:LEU:HD22	19	1.19
(1,480)	1:91:A:LEU:HA	1:91:A:LEU:HD23	19	1.19
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	20	1.19
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	20	1.19
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	20	1.19
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	20	1.19
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	20	1.19
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	20	1.19
(1,131)	1:91:A:LEU:HD21	1:91:A:LEU:HA	19	1.19
(1,131)	1:91:A:LEU:HD22	1:91:A:LEU:HA	19	1.19
(1,131)	1:91:A:LEU:HD23	1:91:A:LEU:HA	19	1.19
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	19	1.18
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	19	1.18
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	19	1.18
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	12	1.18
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	12	1.18
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	12	1.18
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	20	1.18
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	20	1.18
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	20	1.18
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	17	1.18
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	17	1.18
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	11	1.18
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	11	1.18
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	11	1.18
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	11	1.18
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	11	1.18
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	11	1.18
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	6	1.18
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	6	1.18
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	6	1.18
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	7	1.18
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	7	1.18
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	7	1.18
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	7	1.18
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	7	1.18
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	7	1.18
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	9	1.18
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	9	1.18
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	9	1.18
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	9	1.18
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	9	1.18
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	9	1.18
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	20	1.18
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	20	1.18
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	20	1.18
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	6	1.18
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	6	1.18
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	6	1.18
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD21	7	1.18
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD22	7	1.18
(1,1325)	1:8:A:GLY:HA2	1:35:A:LEU:HD23	7	1.18
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD21	7	1.18
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD22	7	1.18
(1,1325)	1:8:A:GLY:HA3	1:35:A:LEU:HD23	7	1.18
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	5	1.18
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	5	1.18
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	5	1.18
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	17	1.18
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	17	1.18
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	17	1.18
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG11	6	1.18
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG12	6	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,600)	1:65:A:TRP:HA	1:68:A:VAL:HG13	6	1.18
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	16	1.18
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	16	1.18
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	16	1.18
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	16	1.18
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	16	1.18
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	16	1.18
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	16	1.18
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	16	1.18
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	16	1.18
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	2	1.18
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	2	1.18
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	2	1.18
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	2	1.18
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	2	1.18
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	2	1.18
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	14	1.17
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	14	1.17
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	14	1.17
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	20	1.17
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	20	1.17
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	20	1.17
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	19	1.17
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	19	1.17
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	19	1.17
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	6	1.17
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	6	1.17
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	6	1.17
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	10	1.17
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	10	1.17
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	10	1.17
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	3	1.17
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	3	1.17
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	3	1.17
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	3	1.17
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	3	1.17
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	3	1.17
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	20	1.17
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	20	1.17
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	20	1.17
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	20	1.17
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	20	1.17
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	19	1.17
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	19	1.17
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	19	1.17
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	19	1.17
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	19	1.17
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	19	1.17
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	19	1.17
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	19	1.17
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	19	1.17
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	19	1.17
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	19	1.17
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	19	1.17
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	10	1.17
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	10	1.17
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	10	1.17
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	19	1.17
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	19	1.17
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	19	1.17
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	19	1.17
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	19	1.17
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	19	1.17
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	19	1.17
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	19	1.17
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	19	1.17
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	6	1.17
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	6	1.17
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	6	1.17
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	11	1.17
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	11	1.17
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	11	1.17
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	11	1.17
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	11	1.17
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	11	1.17
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	18	1.17
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	18	1.17
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	18	1.17
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	18	1.17
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	18	1.17
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	18	1.17
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	18	1.17
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	18	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	18	1.17
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	18	1.17
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	18	1.17
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	18	1.17
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	10	1.17
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	10	1.17
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	10	1.17
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	6	1.16
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	6	1.16
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	6	1.16
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	10	1.16
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	10	1.16
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	10	1.16
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	2	1.16
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	2	1.16
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	2	1.16
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	18	1.16
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	18	1.16
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	18	1.16
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	4	1.16
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	4	1.16
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	4	1.16
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	12	1.16
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	12	1.16
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	12	1.16
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG11	2	1.16
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG12	2	1.16
(1,2384)	1:130:A:LYS:H	1:132:A:VAL:HG13	2	1.16
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	4	1.16
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	4	1.16
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	4	1.16
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	10	1.16
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	10	1.16
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	10	1.16
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	15	1.16
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	15	1.16
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	15	1.16
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	5	1.16
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	5	1.16
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	5	1.16
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD11	19	1.16
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD12	19	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD13	19	1.16
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	4	1.16
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	4	1.16
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	4	1.16
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	5	1.16
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	5	1.16
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	5	1.16
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	5	1.16
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	5	1.16
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	5	1.16
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	5	1.16
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	5	1.16
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	5	1.16
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	20	1.16
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	20	1.16
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	20	1.16
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	20	1.16
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	20	1.16
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	20	1.16
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	20	1.16
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	20	1.16
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	20	1.16
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	14	1.16
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	14	1.16
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	14	1.16
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	14	1.16
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	14	1.16
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	14	1.16
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	14	1.16
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	14	1.16
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	14	1.16
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	14	1.16
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	14	1.16
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	14	1.16
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	14	1.16
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	14	1.16
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	14	1.16
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	14	1.16
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	14	1.16
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	14	1.16
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	14	1.16
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	14	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	14	1.16
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	20	1.16
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	20	1.16
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	20	1.16
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	20	1.16
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	20	1.16
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	20	1.16
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	20	1.16
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	20	1.16
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	20	1.16
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	18	1.16
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	18	1.16
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	18	1.16
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	18	1.16
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	18	1.16
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	18	1.16
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	20	1.16
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	20	1.16
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	20	1.16
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	20	1.16
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	20	1.16
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	20	1.16
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	20	1.16
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	20	1.16
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	20	1.16
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	1	1.16
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	1	1.16
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	1	1.16
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	1	1.16
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	1	1.16
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	1	1.16
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	1	1.16
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	1	1.16
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	1	1.16
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	17	1.16
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	17	1.16
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	17	1.16
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	17	1.16
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	17	1.16
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	17	1.16
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	17	1.16
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	17	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	17	1.16
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	17	1.16
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	17	1.16
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	17	1.16
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	3	1.16
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	3	1.16
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	3	1.16
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	3	1.16
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	3	1.16
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	3	1.16
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	10	1.16
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	10	1.16
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	10	1.16
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	10	1.16
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	10	1.16
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	10	1.16
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	10	1.16
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	10	1.16
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	10	1.16
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	7	1.15
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	7	1.15
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	7	1.15
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	16	1.15
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	16	1.15
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	16	1.15
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	19	1.15
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	19	1.15
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	19	1.15
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	11	1.15
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	11	1.15
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	11	1.15
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	15	1.15
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	15	1.15
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	15	1.15
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	20	1.15
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	20	1.15
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	20	1.15
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	19	1.15
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	19	1.15
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	19	1.15
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	19	1.15
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	19	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	19	1.15
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	1	1.15
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	1	1.15
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	1	1.15
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	1	1.15
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	1	1.15
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	1	1.15
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	15	1.15
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	15	1.15
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	15	1.15
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	15	1.15
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	15	1.15
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	15	1.15
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	15	1.15
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	15	1.15
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	15	1.15
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	13	1.15
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	13	1.15
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	13	1.15
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	13	1.15
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	13	1.15
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	13	1.15
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	13	1.15
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	13	1.15
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	13	1.15
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	13	1.15
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	13	1.15
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	13	1.15
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	13	1.15
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	13	1.15
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	13	1.15
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	13	1.15
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	13	1.15
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	13	1.15
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	4	1.15
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	4	1.15
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	4	1.15
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	4	1.15
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	4	1.15
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	4	1.15
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	4	1.15
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	4	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	4	1.15
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	4	1.15
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	4	1.15
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	4	1.15
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	4	1.15
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	4	1.15
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	4	1.15
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	3	1.15
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	3	1.15
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	3	1.15
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	12	1.15
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	12	1.15
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	12	1.15
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	11	1.15
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	11	1.15
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	11	1.15
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	11	1.15
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	11	1.15
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	11	1.15
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	4	1.14
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	4	1.14
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	4	1.14
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	2	1.14
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	2	1.14
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	2	1.14
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	9	1.14
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	9	1.14
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	9	1.14
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	18	1.14
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	18	1.14
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	18	1.14
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	19	1.14
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	19	1.14
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	19	1.14
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	6	1.14
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	6	1.14
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	6	1.14
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	6	1.14
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	6	1.14
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	6	1.14
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	16	1.14
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	16	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	16	1.14
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	16	1.14
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	16	1.14
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	16	1.14
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	4	1.14
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	4	1.14
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	4	1.14
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG11	13	1.14
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG12	13	1.14
(1,2329)	1:83:A:ALA:HA	1:116:A:VAL:HG13	13	1.14
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	9	1.14
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	9	1.14
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	9	1.14
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	8	1.14
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	8	1.14
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	8	1.14
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	20	1.14
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	20	1.14
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	20	1.14
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	20	1.14
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	20	1.14
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	20	1.14
(1,1851)	1:116:A:VAL:HG11	1:83:A:ALA:HA	13	1.14
(1,1851)	1:116:A:VAL:HG12	1:83:A:ALA:HA	13	1.14
(1,1851)	1:116:A:VAL:HG13	1:83:A:ALA:HA	13	1.14
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	15	1.14
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	15	1.14
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	15	1.14
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	15	1.14
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	15	1.14
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	15	1.14
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	7	1.14
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	7	1.14
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	7	1.14
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	7	1.14
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	7	1.14
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	7	1.14
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	4	1.14
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	4	1.14
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	4	1.14
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	4	1.14
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	4	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	4	1.14
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	20	1.14
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	20	1.14
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	20	1.14
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	20	1.14
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	20	1.14
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	20	1.14
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	5	1.14
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	5	1.14
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	5	1.14
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	5	1.14
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	5	1.14
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	5	1.14
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	5	1.14
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	5	1.14
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	5	1.14
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	3	1.14
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	3	1.14
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	3	1.14
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	3	1.14
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	3	1.14
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	3	1.14
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	3	1.14
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	3	1.14
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	3	1.14
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	3	1.14
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	3	1.14
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	3	1.14
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	3	1.14
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	3	1.14
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	3	1.14
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	3	1.14
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	3	1.14
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	3	1.14
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	3	1.14
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	3	1.14
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	3	1.14
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	3	1.14
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	3	1.14
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	3	1.14
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	3	1.14
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	3	1.14
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	20	1.14
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	20	1.14
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	20	1.14
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	3	1.13
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	3	1.13
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	3	1.13
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	10	1.13
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	10	1.13
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	10	1.13
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	7	1.13
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	7	1.13
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	7	1.13
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	7	1.13
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	7	1.13
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	7	1.13
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	7	1.13
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	7	1.13
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	7	1.13
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	11	1.13
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	11	1.13
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	11	1.13
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	11	1.13
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	11	1.13
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	11	1.13
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	8	1.13
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	8	1.13
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	8	1.13
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	8	1.13
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	8	1.13
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	8	1.13
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	17	1.13
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	17	1.13
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	17	1.13
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	17	1.13
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	17	1.13
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	17	1.13
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	7	1.13
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	7	1.13
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	7	1.13
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	13	1.13
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	13	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	13	1.13
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	13	1.13
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	13	1.13
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	13	1.13
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	2	1.13
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	2	1.13
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	2	1.13
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	2	1.13
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	2	1.13
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	2	1.13
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	2	1.13
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	2	1.13
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	2	1.13
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	8	1.13
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	8	1.13
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	8	1.13
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	8	1.13
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	8	1.13
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	8	1.13
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	8	1.13
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	8	1.13
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	8	1.13
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	8	1.13
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	8	1.13
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	8	1.13
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	9	1.13
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	9	1.13
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	9	1.13
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	7	1.12
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	7	1.12
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	7	1.12
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	1	1.12
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	1	1.12
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	1	1.12
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	10	1.12
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	10	1.12
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	10	1.12
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	1	1.12
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	1	1.12
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	1	1.12
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	17	1.12
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	17	1.12
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	17	1.12
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	17	1.12
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	17	1.12
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	13	1.12
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	13	1.12
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	13	1.12
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	6	1.12
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	6	1.12
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	6	1.12
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	20	1.12
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	20	1.12
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	20	1.12
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	7	1.12
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	7	1.12
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	7	1.12
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	10	1.12
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	10	1.12
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	10	1.12
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	8	1.12
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	8	1.12
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	8	1.12
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	8	1.12
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	8	1.12
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	8	1.12
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	15	1.12
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	15	1.12
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	15	1.12
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	15	1.12
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	15	1.12
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	15	1.12
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	4	1.12
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	4	1.12
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	4	1.12
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	1	1.12
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	1	1.12
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	1	1.12
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	1	1.12
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	1	1.12
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	1	1.12
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	1	1.12
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	1	1.12
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	17	1.12
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	17	1.12
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	17	1.12
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	17	1.12
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	17	1.12
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	17	1.12
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	17	1.12
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	17	1.12
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	17	1.12
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	12	1.12
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	12	1.12
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	12	1.12
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	12	1.12
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	12	1.12
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	12	1.12
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	20	1.12
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	20	1.12
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	20	1.12
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	7	1.12
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	7	1.12
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	7	1.12
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	7	1.12
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	7	1.12
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	7	1.12
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	8	1.12
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	8	1.12
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	8	1.12
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	15	1.12
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	15	1.12
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	15	1.12
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	15	1.12
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	15	1.12
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	15	1.12
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	3	1.12
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	3	1.12
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	3	1.12
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	8	1.12
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	8	1.12
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	8	1.12
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	8	1.12
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	8	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	8	1.12
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	8	1.12
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	8	1.12
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	8	1.12
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	8	1.12
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	8	1.12
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	8	1.12
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	19	1.12
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	19	1.12
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	19	1.12
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	19	1.12
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	19	1.12
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	19	1.12
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	19	1.12
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	19	1.12
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	19	1.12
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	19	1.12
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	19	1.12
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	19	1.12
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	9	1.12
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	9	1.12
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	9	1.12
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	9	1.12
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	9	1.12
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	9	1.12
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	9	1.12
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	9	1.12
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	9	1.12
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	6	1.12
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	6	1.12
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	6	1.12
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	6	1.12
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	6	1.12
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	6	1.12
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	6	1.12
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	6	1.12
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	6	1.12
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	10	1.12
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	10	1.12
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	10	1.12
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	10	1.12
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	10	1.12
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	10	1.12
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	10	1.12
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	10	1.12
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	10	1.12
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	10	1.12
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	10	1.12
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	5	1.12
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	5	1.12
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	5	1.12
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	6	1.12
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	6	1.12
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	6	1.12
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	6	1.12
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	6	1.12
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	6	1.12
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	7	1.12
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	7	1.12
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	7	1.12
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	10	1.12
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	10	1.12
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	10	1.12
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	5	1.12
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	5	1.12
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	5	1.12
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	7	1.12
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	7	1.12
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	7	1.12
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	7	1.12
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	7	1.12
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	7	1.12
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	1	1.11
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	1	1.11
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	1	1.11
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	17	1.11
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	17	1.11
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	17	1.11
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	3	1.11
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	3	1.11
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	3	1.11
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	9	1.11
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	9	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	9	1.11
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	18	1.11
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	18	1.11
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	18	1.11
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	3	1.11
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	3	1.11
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	3	1.11
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	16	1.11
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	16	1.11
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	16	1.11
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	4	1.11
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	4	1.11
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	4	1.11
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	4	1.11
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	4	1.11
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	4	1.11
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	13	1.11
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	13	1.11
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	13	1.11
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	13	1.11
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	13	1.11
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	13	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	7	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	7	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	7	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	7	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	7	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	7	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	18	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	18	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	18	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	18	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	18	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	18	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	19	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	19	1.11
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	19	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	19	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	19	1.11
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	19	1.11
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	16	1.11
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	16	1.11
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	8	1.11
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	8	1.11
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	8	1.11
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	18	1.11
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	18	1.11
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	18	1.11
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	20	1.11
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	20	1.11
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	20	1.11
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	2	1.11
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	2	1.11
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	2	1.11
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	3	1.11
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	3	1.11
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	3	1.11
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	3	1.11
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	3	1.11
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	3	1.11
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	3	1.11
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	3	1.11
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	3	1.11
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	18	1.11
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	18	1.11
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	18	1.11
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	18	1.11
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	18	1.11
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	18	1.11
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	18	1.11
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	18	1.11
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	18	1.11
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	3	1.11
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	3	1.11
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	3	1.11
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	3	1.11
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	3	1.11
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	3	1.11
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	9	1.11
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	9	1.11
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	9	1.11
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	19	1.11
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	19	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	19	1.11
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	20	1.11
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	20	1.11
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	20	1.11
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD21	4	1.11
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD22	4	1.11
(1,1241)	1:45:A:GLN:HE21	1:42:A:LEU:HD23	4	1.11
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD21	4	1.11
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD22	4	1.11
(1,1241)	1:45:A:GLN:HE22	1:42:A:LEU:HD23	4	1.11
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	1	1.11
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	1	1.11
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	1	1.11
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	11	1.11
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	11	1.11
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	11	1.11
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD21	5	1.11
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD22	5	1.11
(1,1195)	1:108:A:LEU:HA	1:77:A:LEU:HD23	5	1.11
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	16	1.11
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	16	1.11
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	16	1.11
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	16	1.11
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	16	1.11
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	16	1.11
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	16	1.11
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	16	1.11
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	16	1.11
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	19	1.11
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	19	1.11
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	19	1.11
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	19	1.11
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	19	1.11
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	19	1.11
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	19	1.11
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	19	1.11
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	19	1.11
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	16	1.11
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	16	1.11
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	16	1.11
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	16	1.11
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	16	1.11
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	16	1.11
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	16	1.11
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	16	1.11
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	10	1.11
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	10	1.11
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	10	1.11
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	5	1.11
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	5	1.11
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	5	1.11
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	5	1.11
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	5	1.11
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	5	1.11
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	12	1.11
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	12	1.11
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	12	1.11
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	12	1.11
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	12	1.11
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	12	1.11
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD11	10	1.11
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD12	10	1.11
(1,471)	1:41:A:LYS:HG2	1:75:A:LEU:HD13	10	1.11
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD11	10	1.11
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD12	10	1.11
(1,471)	1:41:A:LYS:HG3	1:75:A:LEU:HD13	10	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	8	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	8	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	8	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	18	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	18	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	18	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	20	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	20	1.11
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	20	1.11
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	9	1.11
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	9	1.11
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	9	1.11
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	12	1.1
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	12	1.1
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	12	1.1
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	15	1.1
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	15	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	15	1.1
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	1	1.1
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	1	1.1
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	1	1.1
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	14	1.1
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	14	1.1
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	14	1.1
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	13	1.1
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	13	1.1
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	13	1.1
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	8	1.1
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	8	1.1
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	8	1.1
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	8	1.1
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	8	1.1
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	8	1.1
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	9	1.1
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	9	1.1
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	9	1.1
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	12	1.1
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	12	1.1
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	12	1.1
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	6	1.1
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	6	1.1
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	6	1.1
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	10	1.1
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	10	1.1
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	10	1.1
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	13	1.1
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	13	1.1
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	13	1.1
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	15	1.1
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	15	1.1
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	15	1.1
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	11	1.1
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	11	1.1
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	11	1.1
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	2	1.1
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	2	1.1
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	2	1.1
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	14	1.1
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	14	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	14	1.1
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	8	1.1
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	8	1.1
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	8	1.1
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	7	1.1
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	7	1.1
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	7	1.1
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	7	1.1
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	7	1.1
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	7	1.1
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	7	1.1
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	7	1.1
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	7	1.1
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	7	1.1
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	7	1.1
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	7	1.1
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	13	1.1
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	13	1.1
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	13	1.1
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	13	1.1
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	13	1.1
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	13	1.1
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	13	1.1
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	13	1.1
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	13	1.1
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	13	1.1
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	13	1.1
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	13	1.1
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	5	1.1
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	5	1.1
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	5	1.1
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	5	1.1
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	5	1.1
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	5	1.1
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	5	1.1
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	5	1.1
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	5	1.1
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	20	1.1
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	20	1.1
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	20	1.1
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	20	1.1
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	20	1.1
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	20	1.1
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	20	1.1
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	20	1.1
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	1	1.1
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	1	1.1
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	1	1.1
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	6	1.1
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	6	1.1
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	6	1.1
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	15	1.1
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	15	1.1
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	15	1.1
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	18	1.1
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	18	1.1
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	18	1.1
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	5	1.1
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	5	1.1
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	5	1.1
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	5	1.1
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	5	1.1
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	5	1.1
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	13	1.09
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	13	1.09
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	13	1.09
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	6	1.09
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	6	1.09
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	6	1.09
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	7	1.09
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	7	1.09
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	7	1.09
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	8	1.09
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	8	1.09
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	8	1.09
(1,2844)	1:42:A:LEU:HD11	1:42:A:LEU:H	17	1.09
(1,2844)	1:42:A:LEU:HD12	1:42:A:LEU:H	17	1.09
(1,2844)	1:42:A:LEU:HD13	1:42:A:LEU:H	17	1.09
(1,2606)	1:124:A:TYR:HE1	1:124:A:TYR:HA	10	1.09
(1,2606)	1:124:A:TYR:HE2	1:124:A:TYR:HA	10	1.09
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	13	1.09
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	13	1.09
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	13	1.09
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	13	1.09
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	13	1.09
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	1	1.09
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	1	1.09
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	1	1.09
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	3	1.09
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	3	1.09
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	3	1.09
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	4	1.09
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	4	1.09
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	4	1.09
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	5	1.09
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	5	1.09
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	5	1.09
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	9	1.09
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	9	1.09
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	9	1.09
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	12	1.09
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	12	1.09
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	12	1.09
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	13	1.09
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	13	1.09
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	13	1.09
(1,2157)	1:142:A:LEU:HD11	1:142:A:LEU:HA	18	1.09
(1,2157)	1:142:A:LEU:HD12	1:142:A:LEU:HA	18	1.09
(1,2157)	1:142:A:LEU:HD13	1:142:A:LEU:HA	18	1.09
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	1	1.09
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	1	1.09
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	1	1.09
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	19	1.09
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	19	1.09
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	19	1.09
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	19	1.09
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	19	1.09
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	19	1.09
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	20	1.09
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	20	1.09
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	20	1.09
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	20	1.09
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	20	1.09
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	20	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	18	1.09
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	18	1.09
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	18	1.09
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	18	1.09
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	18	1.09
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	18	1.09
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	1	1.09
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	1	1.09
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	1	1.09
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	11	1.09
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	11	1.09
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	11	1.09
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	10	1.09
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	10	1.09
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	10	1.09
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	10	1.09
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	10	1.09
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	10	1.09
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	4	1.09
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	4	1.09
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	4	1.09
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	4	1.09
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	4	1.09
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	4	1.09
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	4	1.09
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	4	1.09
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	4	1.09
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	2	1.09
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	2	1.09
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	2	1.09
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	7	1.09
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	7	1.09
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	7	1.09
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	15	1.09
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	15	1.09
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	15	1.09
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	15	1.09
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	15	1.09
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	15	1.09
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	15	1.09
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	15	1.09
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	15	1.09
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	15	1.09
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	15	1.09
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	20	1.09
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	20	1.09
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	20	1.09
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	20	1.09
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	20	1.09
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	20	1.09
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	20	1.09
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	20	1.09
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	20	1.09
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	20	1.09
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	20	1.09
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	20	1.09
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	17	1.09
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	17	1.09
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	17	1.09
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	17	1.09
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	17	1.09
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	17	1.09
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	13	1.09
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	13	1.09
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	13	1.09
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	13	1.09
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	13	1.09
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	13	1.09
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	13	1.09
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	13	1.09
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	13	1.09
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	13	1.09
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	13	1.09
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	13	1.09
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	13	1.09
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	13	1.09
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	13	1.09
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	13	1.09
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	13	1.09
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	13	1.09
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	16	1.09
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	16	1.09
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	13	1.09
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	13	1.09
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	13	1.09
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG21	16	1.09
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG22	16	1.09
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG23	16	1.09
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG21	16	1.09
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG22	16	1.09
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG23	16	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	3	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	3	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	3	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	4	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	4	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	4	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	5	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	5	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	5	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	9	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	9	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	9	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	12	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	12	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	12	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	13	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	13	1.09
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	13	1.09
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	8	1.09
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	8	1.09
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	8	1.09
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	8	1.09
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	8	1.09
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	8	1.09
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	8	1.09
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	8	1.09
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	8	1.09
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	7	1.09
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	7	1.09
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	7	1.09
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	2	1.08
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	2	1.08
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	2	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	2	1.08
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	2	1.08
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	2	1.08
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	11	1.08
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	11	1.08
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	11	1.08
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	11	1.08
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	11	1.08
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	11	1.08
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	3	1.08
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	3	1.08
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	3	1.08
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	18	1.08
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	18	1.08
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	18	1.08
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	1	1.08
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	1	1.08
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	1	1.08
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	2	1.08
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	2	1.08
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	2	1.08
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	14	1.08
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	14	1.08
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	14	1.08
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	15	1.08
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	15	1.08
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	15	1.08
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	15	1.08
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	15	1.08
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	15	1.08
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	7	1.08
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	7	1.08
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	7	1.08
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	7	1.08
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	7	1.08
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	7	1.08
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	9	1.08
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	9	1.08
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	9	1.08
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	9	1.08
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	9	1.08
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	9	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD11	2	1.08
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD12	2	1.08
(1,1591)	1:48:A:VAL:HG21	1:50:A:ILE:HD13	2	1.08
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD11	2	1.08
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD12	2	1.08
(1,1591)	1:48:A:VAL:HG22	1:50:A:ILE:HD13	2	1.08
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD11	2	1.08
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD12	2	1.08
(1,1591)	1:48:A:VAL:HG23	1:50:A:ILE:HD13	2	1.08
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	6	1.08
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	6	1.08
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	6	1.08
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	6	1.08
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	6	1.08
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	6	1.08
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	6	1.08
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	6	1.08
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	6	1.08
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	6	1.08
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	6	1.08
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	6	1.08
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	19	1.08
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	19	1.08
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	19	1.08
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	19	1.08
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	19	1.08
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	19	1.08
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	12	1.08
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	12	1.08
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	12	1.08
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	18	1.08
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	18	1.08
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	18	1.08
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	18	1.08
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	18	1.08
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	18	1.08
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	20	1.08
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	20	1.08
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	20	1.08
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	16	1.08
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	16	1.08
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	16	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	14	1.08
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	14	1.08
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	14	1.08
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	14	1.08
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	14	1.08
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	14	1.08
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	14	1.08
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	14	1.08
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	14	1.08
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	14	1.08
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	14	1.08
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	14	1.08
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	14	1.08
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	14	1.08
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	14	1.08
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	14	1.08
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	14	1.08
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	14	1.08
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	16	1.08
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	16	1.08
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	16	1.08
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	16	1.08
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	16	1.08
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	16	1.08
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	16	1.08
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	16	1.08
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	16	1.08
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	4	1.08
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	4	1.08
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	4	1.08
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	4	1.08
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	4	1.08
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	4	1.08
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	4	1.08
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	4	1.08
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	4	1.08
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	4	1.08
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	4	1.08
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	4	1.08
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	6	1.08
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	6	1.08
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	6	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	19	1.08
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	19	1.08
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	19	1.08
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	16	1.08
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	16	1.08
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	16	1.08
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	16	1.08
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	16	1.08
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	16	1.08
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	16	1.08
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	16	1.08
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	16	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	1	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	1	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	1	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	2	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	2	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	2	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	14	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	14	1.08
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	14	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	4	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	4	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	4	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	11	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	11	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	11	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	12	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	12	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	12	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	13	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	13	1.08
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	13	1.08
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	15	1.08
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	15	1.08
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	15	1.08
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	16	1.08
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	16	1.08
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	16	1.08
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	19	1.08
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	19	1.08
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	19	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	8	1.07
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	8	1.07
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	8	1.07
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	19	1.07
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	19	1.07
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	19	1.07
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	6	1.07
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	6	1.07
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	6	1.07
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	11	1.07
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	11	1.07
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	11	1.07
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	15	1.07
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	15	1.07
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	15	1.07
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	8	1.07
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	8	1.07
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	8	1.07
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	15	1.07
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	15	1.07
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	15	1.07
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	5	1.07
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	5	1.07
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	5	1.07
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	5	1.07
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	5	1.07
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	5	1.07
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	17	1.07
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	17	1.07
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	17	1.07
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	8	1.07
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	8	1.07
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	8	1.07
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	17	1.07
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	17	1.07
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	17	1.07
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	11	1.07
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	11	1.07
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	11	1.07
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	15	1.07
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	15	1.07
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	16	1.07
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	16	1.07
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	16	1.07
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	19	1.07
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	19	1.07
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	19	1.07
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	6	1.07
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	6	1.07
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	6	1.07
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	2	1.07
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	2	1.07
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	2	1.07
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	2	1.07
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	2	1.07
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	2	1.07
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	11	1.07
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	11	1.07
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	11	1.07
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	11	1.07
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	11	1.07
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	11	1.07
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	18	1.07
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	18	1.07
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	18	1.07
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	18	1.07
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	18	1.07
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	18	1.07
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	8	1.07
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	8	1.07
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	8	1.07
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	14	1.07
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	14	1.07
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	14	1.07
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	20	1.07
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	20	1.07
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	20	1.07
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	12	1.07
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	12	1.07
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	12	1.07
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	18	1.07
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	18	1.07
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	2	1.07
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	2	1.07
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	2	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	2	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	2	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	2	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	2	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	2	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	2	1.07
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	4	1.07
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	4	1.07
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	4	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	4	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	4	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	4	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	4	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	4	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	4	1.07
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	12	1.07
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	12	1.07
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	12	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	12	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	12	1.07
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	12	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	12	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	12	1.07
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	12	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	2	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	2	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	2	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	2	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	2	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	2	1.07
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	2	1.07
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	2	1.07
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	2	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	4	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	4	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	4	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	4	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	4	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	4	1.07
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	4	1.07
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	4	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	12	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	12	1.07
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	12	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	12	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	12	1.07
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	12	1.07
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	12	1.07
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	12	1.07
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	12	1.07
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	3	1.07
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	3	1.07
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	3	1.07
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	8	1.07
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	8	1.07
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	8	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	8	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	8	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	8	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	9	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	9	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	9	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	12	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	12	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	12	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	15	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	15	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	15	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	19	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	19	1.07
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	19	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	11	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	11	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	11	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	15	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	15	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	15	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	16	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	16	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	16	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	19	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	19	1.07
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	19	1.07
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	1	1.07
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	1	1.07
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	1	1.07
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	7	1.07
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	7	1.07
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	7	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	8	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	8	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	8	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	9	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	9	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	9	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	14	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	14	1.07
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	14	1.07
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	6	1.07
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	6	1.07
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	6	1.07
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	6	1.07
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	6	1.07
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	6	1.07
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD21	19	1.07
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD22	19	1.07
(1,418)	1:49:A:LEU:HD11	1:77:A:LEU:HD23	19	1.07
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD21	19	1.07
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD22	19	1.07
(1,418)	1:49:A:LEU:HD12	1:77:A:LEU:HD23	19	1.07
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD21	19	1.07
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD22	19	1.07
(1,418)	1:49:A:LEU:HD13	1:77:A:LEU:HD23	19	1.07
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	3	1.07
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	3	1.07
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	3	1.07
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	3	1.07
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	3	1.07
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	3	1.07
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	18	1.07
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	18	1.07
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	8	1.07
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	8	1.07
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	8	1.07
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	9	1.07
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	9	1.07
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	9	1.07
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	12	1.07
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	12	1.07
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	12	1.07
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	15	1.07
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	15	1.07
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	15	1.07
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	19	1.07
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	19	1.07
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	19	1.07
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	8	1.07
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	8	1.07
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	8	1.07
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	16	1.06
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	16	1.06
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	16	1.06
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	2	1.06
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	2	1.06
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	2	1.06
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	7	1.06
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	7	1.06
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	7	1.06
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	4	1.06
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	4	1.06
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	4	1.06
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	9	1.06
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	9	1.06
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	9	1.06
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	9	1.06
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	9	1.06
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	9	1.06
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	6	1.06
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	6	1.06
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	6	1.06
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	10	1.06
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	10	1.06
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	10	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	13	1.06
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	13	1.06
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	13	1.06
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	19	1.06
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	19	1.06
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	19	1.06
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	3	1.06
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	3	1.06
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	3	1.06
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	3	1.06
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	3	1.06
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	3	1.06
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	3	1.06
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	3	1.06
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	3	1.06
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	13	1.06
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	13	1.06
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	13	1.06
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	13	1.06
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	13	1.06
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	13	1.06
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	13	1.06
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	13	1.06
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	13	1.06
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	5	1.06
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	5	1.06
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	5	1.06
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	20	1.06
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	20	1.06
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	20	1.06
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	8	1.06
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	8	1.06
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	8	1.06
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	8	1.06
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	8	1.06
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	8	1.06
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	8	1.06
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	8	1.06
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	8	1.06
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	8	1.06
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	8	1.06
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	9	1.06
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	9	1.06
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	9	1.06
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	1	1.06
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	1	1.06
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	1	1.06
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	1	1.06
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	1	1.06
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	1	1.06
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	10	1.06
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	10	1.06
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	10	1.06
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	10	1.06
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	10	1.06
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	10	1.06
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	20	1.06
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	20	1.06
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	20	1.06
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	20	1.06
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	20	1.06
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	20	1.06
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	20	1.06
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	20	1.06
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	20	1.06
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	20	1.06
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	20	1.06
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	20	1.06
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	2	1.06
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	2	1.06
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	2	1.06
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	7	1.06
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	7	1.06
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	7	1.06
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	17	1.06
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	17	1.06
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	17	1.06
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	17	1.06
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	17	1.06
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	17	1.06
(1,1042)	1:48:A:VAL:HG21	1:47:A:ASP:HB2	15	1.06
(1,1042)	1:48:A:VAL:HG21	1:47:A:ASP:HB3	15	1.06
(1,1042)	1:48:A:VAL:HG22	1:47:A:ASP:HB2	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1042)	1:48:A:VAL:HG22	1:47:A:ASP:HB3	15	1.06
(1,1042)	1:48:A:VAL:HG23	1:47:A:ASP:HB2	15	1.06
(1,1042)	1:48:A:VAL:HG23	1:47:A:ASP:HB3	15	1.06
(1,1042)	1:48:A:VAL:HG21	1:47:A:ASP:HB2	15	1.06
(1,1042)	1:48:A:VAL:HG21	1:47:A:ASP:HB3	15	1.06
(1,1042)	1:48:A:VAL:HG22	1:47:A:ASP:HB2	15	1.06
(1,1042)	1:48:A:VAL:HG22	1:47:A:ASP:HB3	15	1.06
(1,1042)	1:48:A:VAL:HG23	1:47:A:ASP:HB2	15	1.06
(1,1042)	1:48:A:VAL:HG23	1:47:A:ASP:HB3	15	1.06
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	20	1.06
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	20	1.06
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	20	1.06
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	5	1.06
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	5	1.06
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	5	1.06
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	5	1.06
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	5	1.06
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	5	1.06
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	5	1.06
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	5	1.06
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	5	1.06
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	2	1.06
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	2	1.06
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	2	1.06
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	2	1.06
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	2	1.06
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	2	1.06
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	2	1.06
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	2	1.06
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	2	1.06
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	5	1.06
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	5	1.06
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	5	1.06
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	5	1.06
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	5	1.06
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	5	1.06
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	5	1.06
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	5	1.06
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	5	1.06
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	15	1.06
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	15	1.06
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	2	1.06
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	2	1.06
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	2	1.06
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	3	1.06
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	3	1.06
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	3	1.06
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	11	1.06
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	11	1.06
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	11	1.06
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	4	1.06
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	4	1.06
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	4	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	2	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	2	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	2	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	6	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	6	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	6	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	8	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	8	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	8	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	17	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	17	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	17	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	18	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	18	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	18	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	19	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	19	1.06
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	19	1.06
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	11	1.06
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	11	1.06
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	11	1.06
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	9	1.06
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	9	1.06
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	9	1.06
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	9	1.06
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	9	1.06
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	9	1.06
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	20	1.06
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	20	1.06
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	2	1.06
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	2	1.06
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	2	1.06
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	3	1.06
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	3	1.06
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	3	1.06
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	11	1.06
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	11	1.06
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	11	1.06
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	15	1.06
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	15	1.06
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	15	1.06
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	2	1.05
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	2	1.05
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	2	1.05
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	18	1.05
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	18	1.05
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	18	1.05
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	7	1.05
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	7	1.05
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	7	1.05
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	7	1.05
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	7	1.05
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	7	1.05
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	2	1.05
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	2	1.05
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	2	1.05
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	2	1.05
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	2	1.05
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	2	1.05
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	2	1.05
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	2	1.05
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	2	1.05
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	1	1.05
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	1	1.05
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	1	1.05
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	1	1.05
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	1	1.05
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	1	1.05
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	9	1.05
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	9	1.05
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	9	1.05
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	9	1.05
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	9	1.05
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	12	1.05
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	12	1.05
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	12	1.05
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	12	1.05
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	12	1.05
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	12	1.05
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	3	1.05
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	3	1.05
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	3	1.05
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	14	1.05
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	14	1.05
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	14	1.05
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	14	1.05
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	14	1.05
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	14	1.05
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD21	9	1.05
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD22	9	1.05
(1,1203)	1:3:A:MET:HE1	1:29:A:LEU:HD23	9	1.05
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD21	9	1.05
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD22	9	1.05
(1,1203)	1:3:A:MET:HE2	1:29:A:LEU:HD23	9	1.05
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD21	9	1.05
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD22	9	1.05
(1,1203)	1:3:A:MET:HE3	1:29:A:LEU:HD23	9	1.05
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	19	1.05
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	19	1.05
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	19	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	9	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	9	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	9	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	9	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	9	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	9	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	9	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	9	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	9	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	9	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	9	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	11	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	11	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	11	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	11	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	11	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	11	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	11	1.05
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	11	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	11	1.05
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	11	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	11	1.05
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	11	1.05
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	9	1.05
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	9	1.05
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	9	1.05
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	9	1.05
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	9	1.05
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	9	1.05
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	3	1.05
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	3	1.05
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	3	1.05
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	4	1.05
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	4	1.05
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	4	1.05
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	7	1.05
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	7	1.05
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	7	1.05
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	5	1.05
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	5	1.05
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	5	1.05
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	5	1.05
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	5	1.05
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	5	1.05
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	5	1.05
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	5	1.05
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	5	1.05
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	17	1.05
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	17	1.05
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	17	1.05
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	17	1.05
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	17	1.05
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	17	1.05
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	17	1.05
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	17	1.05
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	1	1.05
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	1	1.05
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	1	1.05
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	1	1.05
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	1	1.05
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	1	1.05
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	1	1.05
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	1	1.05
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	1	1.05
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	5	1.05
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	5	1.05
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	5	1.05
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	5	1.05
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	5	1.05
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	5	1.05
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	5	1.05
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	5	1.05
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	5	1.05
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	17	1.05
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	17	1.05
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	17	1.05
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	17	1.05
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	17	1.05
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	17	1.05
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	17	1.05
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	17	1.05
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	17	1.05
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	19	1.05
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	19	1.05
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	19	1.05
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	19	1.05
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	19	1.05
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	19	1.05
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	19	1.05
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	19	1.05
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	19	1.05
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	19	1.05
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	19	1.05
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	19	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	18	1.05
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	18	1.05
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	18	1.05
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	3	1.05
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	3	1.05
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	3	1.05
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	10	1.05
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	10	1.05
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	10	1.05
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	4	1.05
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	4	1.05
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	4	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	3	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	3	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	3	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	4	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	4	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	4	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	7	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	7	1.05
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	7	1.05
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	9	1.04
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	9	1.04
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	9	1.04
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	11	1.04
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	11	1.04
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	11	1.04
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	11	1.04
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	11	1.04
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	11	1.04
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	1	1.04
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	1	1.04
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	1	1.04
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	12	1.04
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	12	1.04
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	12	1.04
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	12	1.04
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	12	1.04
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	12	1.04
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	12	1.04
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	12	1.04
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	12	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	12	1.04
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	12	1.04
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	12	1.04
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	12	1.04
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	12	1.04
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	12	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	4	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	4	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	4	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	4	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	4	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	4	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	8	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	8	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	8	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	8	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	8	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	8	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	20	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	20	1.04
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	20	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	20	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	20	1.04
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	20	1.04
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	9	1.04
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	9	1.04
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	9	1.04
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	7	1.04
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	7	1.04
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	7	1.04
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG11	15	1.04
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG12	15	1.04
(1,1244)	1:113:A:VAL:H	1:82:A:VAL:HG13	15	1.04
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	7	1.04
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	7	1.04
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	7	1.04
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	13	1.04
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	13	1.04
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	13	1.04
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	1	1.04
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	1	1.04
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	1	1.04
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	1	1.04
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	1	1.04
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	8	1.04
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	8	1.04
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	8	1.04
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	4	1.04
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	4	1.04
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	4	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	2	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	2	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	2	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	2	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	2	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	2	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	2	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	2	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	2	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	2	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	2	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	2	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	3	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	3	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	3	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	3	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	3	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	3	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	3	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	3	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	3	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	3	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	3	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	3	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	12	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	12	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	12	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	12	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	12	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	12	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	12	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	12	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	12	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	12	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	12	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	12	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	18	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	18	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	18	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	18	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	18	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	18	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	18	1.04
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	18	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	18	1.04
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	18	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	18	1.04
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	18	1.04
(1,754)	1:48:A:VAL:HG21	1:81:A:ILE:HD11	15	1.04
(1,754)	1:48:A:VAL:HG21	1:81:A:ILE:HD12	15	1.04
(1,754)	1:48:A:VAL:HG21	1:81:A:ILE:HD13	15	1.04
(1,754)	1:48:A:VAL:HG22	1:81:A:ILE:HD11	15	1.04
(1,754)	1:48:A:VAL:HG22	1:81:A:ILE:HD12	15	1.04
(1,754)	1:48:A:VAL:HG22	1:81:A:ILE:HD13	15	1.04
(1,754)	1:48:A:VAL:HG23	1:81:A:ILE:HD11	15	1.04
(1,754)	1:48:A:VAL:HG23	1:81:A:ILE:HD12	15	1.04
(1,754)	1:48:A:VAL:HG23	1:81:A:ILE:HD13	15	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	1	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	1	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	1	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	1	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	1	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	1	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	1	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	1	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	1	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	6	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	6	1.04
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	6	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	6	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	6	1.04
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	6	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	6	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	6	1.04
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	1	1.04
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	1	1.04
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	1	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	1	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	1	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	1	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	1	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	1	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	1	1.04
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	6	1.04
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	6	1.04
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	6	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	6	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	6	1.04
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	6	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	6	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	6	1.04
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	6	1.04
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	3	1.04
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	3	1.04
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	3	1.04
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	3	1.04
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	3	1.04
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	3	1.04
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	3	1.04
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	3	1.04
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	3	1.04
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	15	1.04
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	15	1.04
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	15	1.04
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	15	1.04
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	15	1.04
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	15	1.04
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	16	1.04
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	16	1.04
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	16	1.04
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	16	1.04
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	16	1.04
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	16	1.04
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	16	1.04
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	16	1.04
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	15	1.04
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	15	1.04
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	15	1.04
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	15	1.04
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	15	1.04
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	15	1.04
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	16	1.04
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	16	1.04
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	16	1.04
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	16	1.04
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	16	1.04
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	16	1.04
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	9	1.04
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	9	1.04
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	9	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	10	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	10	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	10	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	13	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	13	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	13	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	18	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	18	1.04
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	18	1.04
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	3	1.04
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	3	1.04
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	3	1.04
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	3	1.04
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	3	1.04
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	3	1.04
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	3	1.04
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	3	1.04
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	3	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	5	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	5	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	5	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	6	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	6	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	6	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	13	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	13	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	13	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	17	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	17	1.04
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	17	1.04
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	10	1.04
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	10	1.04
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	10	1.04
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	13	1.04
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	13	1.04
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	13	1.04
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	18	1.04
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	18	1.04
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	18	1.04
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	9	1.04
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	9	1.04
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	9	1.04
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	18	1.04
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	18	1.04
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	18	1.04
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	15	1.03
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	15	1.03
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	15	1.03
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	16	1.03
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	16	1.03
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	16	1.03
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	13	1.03
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	13	1.03
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	13	1.03
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	20	1.03
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	20	1.03
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	20	1.03
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	1	1.03
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	1	1.03
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	1	1.03
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	1	1.03
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	1	1.03
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	1	1.03
(1,2651)	1:155:A:GLU:HG2	1:119:A:TRP:HZ2	9	1.03
(1,2651)	1:155:A:GLU:HG3	1:119:A:TRP:HZ2	9	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	1	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	1	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	1	1.03
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	1	1.03
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	1	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	10	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	10	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	10	1.03
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	10	1.03
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	10	1.03
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	10	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	12	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	12	1.03
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	12	1.03
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	12	1.03
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	12	1.03
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	12	1.03
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	5	1.03
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	5	1.03
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	5	1.03
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	14	1.03
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	14	1.03
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	14	1.03
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	8	1.03
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	8	1.03
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	8	1.03
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	8	1.03
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	8	1.03
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	8	1.03
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD21	14	1.03
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD22	14	1.03
(1,2053)	1:107:A:LYS:HD2	1:72:A:LEU:HD23	14	1.03
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD21	14	1.03
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD22	14	1.03
(1,2053)	1:107:A:LYS:HD3	1:72:A:LEU:HD23	14	1.03
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	14	1.03
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	14	1.03
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	14	1.03
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD11	19	1.03
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD12	19	1.03
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD13	19	1.03
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD11	19	1.03
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD12	19	1.03
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD13	19	1.03
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	11	1.03
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	11	1.03
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	11	1.03
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	11	1.03
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	11	1.03
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	11	1.03
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	11	1.03
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	11	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	6	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	6	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	6	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	6	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	6	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	6	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	9	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	9	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	9	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	9	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	9	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	9	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	16	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	16	1.03
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	16	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	16	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	16	1.03
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	16	1.03
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	15	1.03
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	15	1.03
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	15	1.03
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	18	1.03
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	18	1.03
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	18	1.03
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG2	9	1.03
(1,907)	1:119:A:TRP:HZ2	1:155:A:GLU:HG3	9	1.03
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	9	1.03
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	9	1.03
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	9	1.03
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	18	1.03
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	18	1.03
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	18	1.03
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	18	1.03
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	18	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	18	1.03
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	18	1.03
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	18	1.03
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	18	1.03
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	11	1.03
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	11	1.03
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	11	1.03
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	11	1.03
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	11	1.03
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	11	1.03
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	11	1.03
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	11	1.03
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	11	1.03
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	18	1.03
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	18	1.03
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	18	1.03
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	18	1.03
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	18	1.03
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	18	1.03
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	18	1.03
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	18	1.03
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	18	1.03
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	11	1.03
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	11	1.03
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	11	1.03
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	11	1.03
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	11	1.03
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	11	1.03
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	11	1.03
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	11	1.03
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	11	1.03
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	20	1.03
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	20	1.03
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	20	1.03
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG21	13	1.03
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG22	13	1.03
(1,478)	1:115:A:PHE:HE1	1:82:A:VAL:HG23	13	1.03
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG21	13	1.03
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG22	13	1.03
(1,478)	1:115:A:PHE:HE2	1:82:A:VAL:HG23	13	1.03
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	2	1.03
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	2	1.03
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	3	1.03
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	3	1.03
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	3	1.03
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	4	1.03
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	4	1.03
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	4	1.03
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	20	1.03
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	20	1.03
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	20	1.03
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	16	1.03
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	16	1.03
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	16	1.03
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	10	1.03
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	10	1.03
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	10	1.03
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	16	1.03
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	16	1.03
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	16	1.03
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	9	1.03
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	9	1.03
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	9	1.03
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	4	1.03
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	4	1.03
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	4	1.03
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	2	1.03
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	2	1.03
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	2	1.03
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	3	1.03
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	3	1.03
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	3	1.03
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	10	1.02
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	10	1.02
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	10	1.02
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	11	1.02
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	11	1.02
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	11	1.02
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	4	1.02
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	4	1.02
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	4	1.02
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	6	1.02
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	6	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	6	1.02
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	16	1.02
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	16	1.02
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	16	1.02
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	19	1.02
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	19	1.02
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	19	1.02
(1,2162)	1:98:A:LEU:HD11	1:98:A:LEU:HA	17	1.02
(1,2162)	1:98:A:LEU:HD12	1:98:A:LEU:HA	17	1.02
(1,2162)	1:98:A:LEU:HD13	1:98:A:LEU:HA	17	1.02
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	16	1.02
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	16	1.02
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	16	1.02
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	16	1.02
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	16	1.02
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	16	1.02
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	8	1.02
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	8	1.02
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	8	1.02
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	3	1.02
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	3	1.02
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	3	1.02
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	3	1.02
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	3	1.02
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	3	1.02
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	16	1.02
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	16	1.02
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	16	1.02
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	16	1.02
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	16	1.02
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	16	1.02
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	15	1.02
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	15	1.02
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	15	1.02
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	15	1.02
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	15	1.02
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	15	1.02
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	4	1.02
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	4	1.02
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	4	1.02
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	6	1.02
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	6	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	6	1.02
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	16	1.02
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	16	1.02
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	16	1.02
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	18	1.02
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	18	1.02
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	18	1.02
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	9	1.02
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	9	1.02
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	9	1.02
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	10	1.02
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	10	1.02
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	10	1.02
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	10	1.02
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	10	1.02
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	10	1.02
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	10	1.02
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	10	1.02
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	10	1.02
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	10	1.02
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	10	1.02
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	10	1.02
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	1	1.02
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	1	1.02
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	1	1.02
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	13	1.02
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	13	1.02
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	13	1.02
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	7	1.02
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	7	1.02
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	7	1.02
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	7	1.02
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	7	1.02
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	7	1.02
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	7	1.02
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	7	1.02
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	7	1.02
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	11	1.02
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	11	1.02
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	11	1.02
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	11	1.02
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	11	1.02
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	11	1.02
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	11	1.02
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	11	1.02
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	1	1.02
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	1	1.02
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	1	1.02
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	1	1.02
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	1	1.02
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	1	1.02
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	1	1.02
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	1	1.02
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	1	1.02
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	10	1.02
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	10	1.02
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	10	1.02
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	10	1.02
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	10	1.02
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	10	1.02
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	10	1.02
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	10	1.02
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	10	1.02
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	14	1.02
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	14	1.02
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	14	1.02
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	14	1.02
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	14	1.02
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	14	1.02
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	14	1.02
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	14	1.02
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	14	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	7	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	7	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	7	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	13	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	13	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	13	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	14	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	14	1.02
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	14	1.02
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	11	1.02
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	11	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	1	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	1	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	1	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	7	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	7	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	7	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	20	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	20	1.02
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	20	1.02
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	1	1.02
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	1	1.02
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	1	1.02
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	1	1.02
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	1	1.02
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	1	1.02
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	1	1.02
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	1	1.02
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	1	1.02
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	10	1.02
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	10	1.02
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	10	1.02
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	10	1.02
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	10	1.02
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	10	1.02
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	10	1.02
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	10	1.02
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	10	1.02
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD11	17	1.02
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD12	17	1.02
(1,458)	1:98:A:LEU:HA	1:98:A:LEU:HD13	17	1.02
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	14	1.02
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	14	1.02
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	14	1.02
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD11	20	1.02
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD12	20	1.02
(1,431)	1:5:A:LEU:HA	1:5:A:LEU:HD13	20	1.02
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	2	1.02
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	2	1.02
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	2	1.02
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	17	1.02
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	17	1.02
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	17	1.02
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	17	1.02
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	17	1.02
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	1	1.02
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	1	1.02
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	1	1.02
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	13	1.02
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	13	1.02
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	13	1.02
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	1	1.02
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	1	1.02
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	1	1.02
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	7	1.02
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	7	1.02
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	7	1.02
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	20	1.02
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	20	1.02
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	20	1.02
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	11	1.02
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	11	1.02
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	11	1.02
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	18	1.02
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	2	1.01
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	2	1.01
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	2	1.01
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	3	1.01
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	3	1.01
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	3	1.01
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	11	1.01
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	11	1.01
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	11	1.01
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	3	1.01
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	3	1.01
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	3	1.01
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	3	1.01
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	3	1.01
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	3	1.01
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	15	1.01
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	15	1.01
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	15	1.01
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	15	1.01
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	15	1.01
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	8	1.01
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	8	1.01
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	8	1.01
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	20	1.01
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	20	1.01
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	20	1.01
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	8	1.01
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	8	1.01
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	8	1.01
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	8	1.01
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	8	1.01
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	8	1.01
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	8	1.01
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	8	1.01
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	8	1.01
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	16	1.01
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	16	1.01
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	16	1.01
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	11	1.01
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	11	1.01
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	11	1.01
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	15	1.01
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	15	1.01
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	15	1.01
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	16	1.01
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	16	1.01
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	16	1.01
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	2	1.01
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	2	1.01
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	2	1.01
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	6	1.01
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	6	1.01
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	6	1.01
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	7	1.01
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	7	1.01
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	7	1.01
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	7	1.01
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	7	1.01
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	7	1.01
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	7	1.01
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	7	1.01
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	11	1.01
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	11	1.01
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	11	1.01
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	11	1.01
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	11	1.01
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	11	1.01
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	11	1.01
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	11	1.01
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	11	1.01
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	7	1.01
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	7	1.01
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	7	1.01
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	7	1.01
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	7	1.01
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	7	1.01
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	7	1.01
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	7	1.01
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	7	1.01
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	11	1.01
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	11	1.01
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	11	1.01
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	11	1.01
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	11	1.01
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	11	1.01
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	11	1.01
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	11	1.01
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	11	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	5	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	5	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	5	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	8	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	8	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	8	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	19	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	19	1.01
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	19	1.01
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	5	1.01
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	5	1.01
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	5	1.01
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	6	1.01
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	6	1.01
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	10	1.01
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	10	1.01
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	10	1.01
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	10	1.01
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	10	1.01
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	10	1.01
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	2	1.01
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	2	1.01
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	2	1.01
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	6	1.01
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	6	1.01
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	6	1.01
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	5	1.01
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	5	1.01
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	5	1.01
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	6	1.01
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	6	1.01
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	6	1.01
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	4	1.0
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	4	1.0
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	4	1.0
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	10	1.0
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	10	1.0
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	10	1.0
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	20	1.0
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	20	1.0
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	20	1.0
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	17	1.0
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	17	1.0
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	17	1.0
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	17	1.0
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	17	1.0
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	17	1.0
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	9	1.0
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	9	1.0
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	9	1.0
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	19	1.0
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	19	1.0
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	19	1.0
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	9	1.0
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	9	1.0
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	9	1.0
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	9	1.0
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	9	1.0
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	9	1.0
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	9	1.0
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	9	1.0
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	7	1.0
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	7	1.0
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	7	1.0
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	18	1.0
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	18	1.0
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	18	1.0
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	2	1.0
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	2	1.0
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	2	1.0
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	2	1.0
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	2	1.0
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	2	1.0
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	10	1.0
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	10	1.0
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	10	1.0
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	20	1.0
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	20	1.0
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	20	1.0
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	11	1.0
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	11	1.0
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	11	1.0
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	11	1.0
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	11	1.0
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	11	1.0
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	5	1.0
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	5	1.0
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	5	1.0
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	5	1.0
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	5	1.0
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	5	1.0
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	5	1.0
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	5	1.0
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	5	1.0
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	5	1.0
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	5	1.0
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	5	1.0
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	5	1.0
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	5	1.0
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	12	1.0
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	12	1.0
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	12	1.0
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	8	1.0
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	8	1.0
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	8	1.0
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	8	1.0
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	8	1.0
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	8	1.0
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	8	1.0
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	8	1.0
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	8	1.0
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	10	1.0
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	10	1.0
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	10	1.0
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	10	1.0
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	10	1.0
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	10	1.0
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	10	1.0
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	10	1.0
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	10	1.0
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	10	1.0
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	10	1.0
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	10	1.0
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	10	1.0
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	10	1.0
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	10	1.0
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	3	1.0
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	3	1.0
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	3	1.0
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	3	1.0
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	3	1.0
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	3	1.0
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	3	1.0
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	3	1.0
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	3	1.0
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	16	1.0
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	16	1.0
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	16	1.0
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	16	1.0
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	16	1.0
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	16	1.0
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	16	1.0
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	16	1.0
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	8	1.0
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	8	1.0
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	8	1.0
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	8	1.0
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	8	1.0
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	8	1.0
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	8	1.0
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	8	1.0
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	8	1.0
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	10	1.0
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	10	1.0
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	10	1.0
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	10	1.0
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	10	1.0
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	10	1.0
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	10	1.0
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	10	1.0
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	10	1.0
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	17	1.0
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	17	1.0
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	17	1.0
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	17	1.0
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	17	1.0
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	17	1.0
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	17	1.0
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	17	1.0
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	17	1.0
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	9	1.0
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	9	1.0
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	9	1.0
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	9	1.0
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	9	1.0
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	9	1.0
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	20	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	20	1.0
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	20	1.0
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	20	1.0
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	20	1.0
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	20	1.0
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	20	1.0
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	20	1.0
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	20	1.0
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	20	1.0
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	20	1.0
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	20	1.0
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	20	1.0
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	20	1.0
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	20	1.0
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	20	1.0
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	20	1.0
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	20	1.0
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	3	1.0
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	3	1.0
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	3	1.0
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	3	1.0
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	3	1.0
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	3	1.0
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	3	1.0
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	3	1.0
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	3	1.0
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	16	1.0
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	16	1.0
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	16	1.0
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	16	1.0
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	16	1.0
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	16	1.0
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	16	1.0
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	16	1.0
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	16	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	1	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	1	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	1	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	9	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	9	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	9	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	18	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	18	1.0
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	18	1.0
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	14	1.0
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	14	1.0
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	14	1.0
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	14	1.0
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	14	1.0
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	14	1.0
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	14	1.0
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	14	1.0
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	14	1.0
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	12	1.0
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	12	1.0
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	12	1.0
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	17	1.0
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	17	1.0
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	17	1.0
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	12	0.99
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	12	0.99
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	12	0.99
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	17	0.99
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	17	0.99
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	17	0.99
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	4	0.99
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	4	0.99
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	4	0.99
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	4	0.99
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	4	0.99
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	4	0.99
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD11	14	0.99
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD12	14	0.99
(1,2547)	1:39:A:SER:HB2	1:42:A:LEU:HD13	14	0.99
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD11	14	0.99
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD12	14	0.99
(1,2547)	1:39:A:SER:HB3	1:42:A:LEU:HD13	14	0.99
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	7	0.99
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	7	0.99
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	7	0.99
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	2	0.99
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	2	0.99
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	2	0.99
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	13	0.99
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	13	0.99
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	13	0.99
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	13	0.99
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	13	0.99
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	13	0.99
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	13	0.99
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	13	0.99
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	13	0.99
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	13	0.99
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	13	0.99
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	12	0.99
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	12	0.99
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	12	0.99
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	6	0.99
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	6	0.99
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	6	0.99
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	1	0.99
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	1	0.99
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	1	0.99
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	1	0.99
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	1	0.99
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	1	0.99
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	1	0.99
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	1	0.99
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	1	0.99
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	1	0.99
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	1	0.99
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	1	0.99
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	5	0.99
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	5	0.99
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	5	0.99
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	8	0.99
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	8	0.99
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	8	0.99
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	2	0.99
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	2	0.99
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	2	0.99
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	2	0.99
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	2	0.99
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	2	0.99
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	2	0.99
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	2	0.99
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	6	0.99
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	6	0.99
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	6	0.99
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	6	0.99
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	6	0.99
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	6	0.99
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	6	0.99
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	6	0.99
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	6	0.99
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	12	0.99
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	12	0.99
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	12	0.99
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	12	0.99
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	12	0.99
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	12	0.99
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	12	0.99
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	12	0.99
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	12	0.99
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	10	0.99
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	10	0.99
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	10	0.99
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	10	0.99
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	10	0.99
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	10	0.99
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	10	0.99
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	10	0.99
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	10	0.99
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	6	0.99
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	6	0.99
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	6	0.99
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	6	0.99
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	6	0.99
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	6	0.99
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	6	0.99
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	6	0.99
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	6	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	2	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	2	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	2	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	3	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	3	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	11	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	11	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	11	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	12	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	12	0.99
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	12	0.99
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	12	0.99
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	12	0.99
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	12	0.99
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	14	0.99
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	14	0.99
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	14	0.99
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	16	0.99
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	16	0.99
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	16	0.99
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	5	0.99
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	5	0.99
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	5	0.99
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	8	0.99
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	8	0.99
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	8	0.99
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	14	0.99
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	14	0.99
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	14	0.99
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	16	0.99
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	16	0.99
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	16	0.99
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	12	0.99
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	12	0.99
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	12	0.99
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	1	0.99
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	1	0.99
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	1	0.99
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	6	0.98
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	6	0.98
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	6	0.98
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	9	0.98
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	9	0.98
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	9	0.98
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	10	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	10	0.98
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	10	0.98
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	15	0.98
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	15	0.98
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	15	0.98
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	10	0.98
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	10	0.98
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	10	0.98
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	1	0.98
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	1	0.98
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	1	0.98
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	1	0.98
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	1	0.98
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	1	0.98
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	1	0.98
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	1	0.98
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	1	0.98
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	2	0.98
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	2	0.98
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	2	0.98
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	2	0.98
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	2	0.98
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	2	0.98
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	7	0.98
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	7	0.98
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	7	0.98
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	7	0.98
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	7	0.98
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	7	0.98
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	6	0.98
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	6	0.98
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	6	0.98
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	9	0.98
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	9	0.98
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	9	0.98
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	9	0.98
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	9	0.98
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	9	0.98
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	9	0.98
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	9	0.98
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	9	0.98
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	9	0.98
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	9	0.98
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	6	0.98
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	6	0.98
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	6	0.98
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	4	0.98
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	4	0.98
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	4	0.98
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	4	0.98
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	4	0.98
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	4	0.98
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	4	0.98
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	4	0.98
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	4	0.98
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	15	0.98
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	15	0.98
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	15	0.98
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	15	0.98
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	15	0.98
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	15	0.98
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	15	0.98
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	15	0.98
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	15	0.98
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	4	0.98
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	4	0.98
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	4	0.98
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	4	0.98
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	4	0.98
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	4	0.98
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	4	0.98
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	4	0.98
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	4	0.98
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	12	0.98
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	12	0.98
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	12	0.98
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	12	0.98
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	12	0.98
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	12	0.98
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	12	0.98
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	12	0.98
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	12	0.98
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	15	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	15	0.98
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	15	0.98
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	15	0.98
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	15	0.98
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	15	0.98
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	15	0.98
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	15	0.98
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	15	0.98
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	5	0.98
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	5	0.98
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	5	0.98
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	5	0.98
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	5	0.98
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	5	0.98
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	5	0.98
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	5	0.98
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	5	0.98
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	13	0.98
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	13	0.98
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	13	0.98
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	13	0.98
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	13	0.98
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	13	0.98
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	12	0.98
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	12	0.98
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	12	0.98
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	12	0.98
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	12	0.98
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	12	0.98
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	12	0.98
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	12	0.98
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	12	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	4	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	4	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	4	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	10	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	10	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	10	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	15	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	15	0.98
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	15	0.98
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	20	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	20	0.98
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	20	0.98
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	15	0.98
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	15	0.98
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	15	0.98
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	15	0.98
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	15	0.98
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	15	0.98
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	15	0.98
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	15	0.98
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	15	0.98
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	10	0.98
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	10	0.98
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	10	0.98
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	1	0.98
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	1	0.98
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	1	0.98
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	18	0.98
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	18	0.98
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	18	0.98
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	18	0.98
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	18	0.98
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	18	0.98
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	11	0.98
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	11	0.98
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	11	0.98
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	7	0.97
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	7	0.97
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	7	0.97
(1,2093)	1:143:A:ALA:HB1	1:142:A:LEU:HD11	18	0.97
(1,2093)	1:143:A:ALA:HB1	1:142:A:LEU:HD12	18	0.97
(1,2093)	1:143:A:ALA:HB1	1:142:A:LEU:HD13	18	0.97
(1,2093)	1:143:A:ALA:HB2	1:142:A:LEU:HD11	18	0.97
(1,2093)	1:143:A:ALA:HB2	1:142:A:LEU:HD12	18	0.97
(1,2093)	1:143:A:ALA:HB2	1:142:A:LEU:HD13	18	0.97
(1,2093)	1:143:A:ALA:HB3	1:142:A:LEU:HD11	18	0.97
(1,2093)	1:143:A:ALA:HB3	1:142:A:LEU:HD12	18	0.97
(1,2093)	1:143:A:ALA:HB3	1:142:A:LEU:HD13	18	0.97
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	14	0.97
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	14	0.97
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	14	0.97
(1,1960)	1:142:A:LEU:HD11	1:143:A:ALA:HB1	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:142:A:LEU:HD11	1:143:A:ALA:HB2	18	0.97
(1,1960)	1:142:A:LEU:HD11	1:143:A:ALA:HB3	18	0.97
(1,1960)	1:142:A:LEU:HD12	1:143:A:ALA:HB1	18	0.97
(1,1960)	1:142:A:LEU:HD12	1:143:A:ALA:HB2	18	0.97
(1,1960)	1:142:A:LEU:HD12	1:143:A:ALA:HB3	18	0.97
(1,1960)	1:142:A:LEU:HD13	1:143:A:ALA:HB1	18	0.97
(1,1960)	1:142:A:LEU:HD13	1:143:A:ALA:HB2	18	0.97
(1,1960)	1:142:A:LEU:HD13	1:143:A:ALA:HB3	18	0.97
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	15	0.97
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	15	0.97
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	15	0.97
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	15	0.97
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	15	0.97
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	15	0.97
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	15	0.97
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	15	0.97
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	15	0.97
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	16	0.97
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	16	0.97
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	16	0.97
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	16	0.97
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	16	0.97
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	16	0.97
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	1	0.97
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	1	0.97
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	1	0.97
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	1	0.97
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	1	0.97
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	1	0.97
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	1	0.97
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	1	0.97
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	1	0.97
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	1	0.97
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	1	0.97
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	1	0.97
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	2	0.97
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	2	0.97
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	2	0.97
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	2	0.97
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	2	0.97
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	2	0.97
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	4	0.97
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	4	0.97
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	4	0.97
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	4	0.97
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	4	0.97
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	4	0.97
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	4	0.97
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	4	0.97
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	4	0.97
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	4	0.97
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	4	0.97
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	9	0.97
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	9	0.97
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	9	0.97
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	9	0.97
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	9	0.97
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	9	0.97
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	9	0.97
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	9	0.97
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	9	0.97
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	9	0.97
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	9	0.97
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	9	0.97
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	9	0.97
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	9	0.97
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	9	0.97
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	9	0.97
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	9	0.97
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	9	0.97
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	2	0.97
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	2	0.97
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	2	0.97
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	2	0.97
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	2	0.97
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	2	0.97
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	13	0.97
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	13	0.97
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	13	0.97
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD11	17	0.97
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD12	17	0.97
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD13	17	0.97
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	20	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	20	0.97
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	20	0.97
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	20	0.97
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	20	0.97
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	20	0.97
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	20	0.97
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	20	0.97
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	20	0.97
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	20	0.97
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	20	0.97
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	20	0.97
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	20	0.97
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	20	0.97
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	20	0.97
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	20	0.97
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	20	0.97
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	20	0.97
(1,149)	1:75:A:LEU:HD11	1:75:A:LEU:HA	17	0.97
(1,149)	1:75:A:LEU:HD12	1:75:A:LEU:HA	17	0.97
(1,149)	1:75:A:LEU:HD13	1:75:A:LEU:HA	17	0.97
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	3	0.97
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	3	0.97
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	3	0.97
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	10	0.97
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	10	0.97
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	10	0.97
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	14	0.96
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	14	0.96
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	14	0.96
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	2	0.96
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	2	0.96
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	2	0.96
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	2	0.96
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	2	0.96
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	2	0.96
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	11	0.96
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	11	0.96
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	11	0.96
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	16	0.96
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	16	0.96
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	16	0.96
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	2	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	2	0.96
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	2	0.96
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	9	0.96
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	9	0.96
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	9	0.96
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	20	0.96
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	20	0.96
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	20	0.96
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	14	0.96
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	14	0.96
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	14	0.96
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	20	0.96
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	20	0.96
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	20	0.96
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD11	4	0.96
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD12	4	0.96
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD13	4	0.96
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD11	4	0.96
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD12	4	0.96
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD13	4	0.96
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD11	16	0.96
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD12	16	0.96
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD13	16	0.96
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD11	16	0.96
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD12	16	0.96
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD13	16	0.96
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	4	0.96
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	4	0.96
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	4	0.96
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	10	0.96
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	10	0.96
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	10	0.96
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	3	0.96
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	3	0.96
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	3	0.96
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	3	0.96
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	3	0.96
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	3	0.96
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	3	0.96
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	3	0.96
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	3	0.96
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	14	0.96
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	14	0.96
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	17	0.96
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	17	0.96
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	17	0.96
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	17	0.96
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	17	0.96
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	17	0.96
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	17	0.96
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	17	0.96
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	17	0.96
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	18	0.96
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	18	0.96
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	18	0.96
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	18	0.96
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	18	0.96
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	18	0.96
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	18	0.96
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	18	0.96
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	18	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	2	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	2	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	2	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	2	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	2	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	2	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	2	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	2	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	2	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	6	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	6	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	6	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	6	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	6	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	6	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	6	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	6	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	6	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	7	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	7	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	7	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	7	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	7	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	7	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	7	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	7	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	20	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	20	0.96
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	20	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	20	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	20	0.96
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	20	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	20	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	20	0.96
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	20	0.96
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	4	0.96
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	4	0.96
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	4	0.96
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	4	0.96
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	4	0.96
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	4	0.96
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	4	0.96
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	4	0.96
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	4	0.96
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG21	1	0.96
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG22	1	0.96
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG23	1	0.96
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	11	0.96
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	11	0.96
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	11	0.96
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	11	0.96
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	11	0.96
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	11	0.96
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	1	0.96
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	1	0.96
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	1	0.96
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	1	0.96
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	1	0.96
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	1	0.96
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	1	0.96
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	1	0.96
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	1	0.96
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	1	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	1	0.96
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	1	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	2	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	2	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	2	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	2	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	2	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	2	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	2	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	2	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	2	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	6	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	6	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	6	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	6	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	6	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	6	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	6	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	6	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	6	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	7	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	7	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	7	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	7	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	7	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	7	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	7	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	7	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	7	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	20	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	20	0.96
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	20	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	20	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	20	0.96
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	20	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	20	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	20	0.96
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	20	0.96
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	10	0.96
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	10	0.96
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	10	0.96
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	10	0.96
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	10	0.96
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	10	0.96
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	10	0.96
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	10	0.96
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	14	0.96
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	14	0.96
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	14	0.96
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	19	0.96
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	19	0.96
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	19	0.96
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	3	0.95
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	3	0.95
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	3	0.95
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	5	0.95
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	5	0.95
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	5	0.95
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	14	0.95
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	14	0.95
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	14	0.95
(1,2363)	1:132:A:VAL:HG21	1:139:A:PHE:HA	1	0.95
(1,2363)	1:132:A:VAL:HG22	1:139:A:PHE:HA	1	0.95
(1,2363)	1:132:A:VAL:HG23	1:139:A:PHE:HA	1	0.95
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	14	0.95
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	14	0.95
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	14	0.95
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	4	0.95
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	4	0.95
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	4	0.95
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	4	0.95
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	4	0.95
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	4	0.95
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	7	0.95
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	7	0.95
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	7	0.95
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	7	0.95
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	7	0.95
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	7	0.95
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	7	0.95
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	7	0.95
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	7	0.95
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	7	0.95
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	7	0.95
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	10	0.95
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	10	0.95
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	10	0.95
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	17	0.95
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	17	0.95
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	17	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	3	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	3	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	3	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	3	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	3	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	3	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	3	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	3	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	3	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	8	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	8	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	8	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	8	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	8	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	8	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	8	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	8	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	8	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	16	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	16	0.95
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	16	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	16	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	16	0.95
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	16	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	16	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	16	0.95
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	16	0.95
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	7	0.95
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	7	0.95
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	7	0.95
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	7	0.95
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	7	0.95
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	7	0.95
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	7	0.95
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	7	0.95
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	9	0.95
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	9	0.95
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	9	0.95
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	9	0.95
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	9	0.95
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	9	0.95
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	9	0.95
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	9	0.95
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	9	0.95
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	6	0.95
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	6	0.95
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	6	0.95
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	6	0.95
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	6	0.95
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	6	0.95
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	6	0.95
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	6	0.95
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	6	0.95
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	18	0.95
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	18	0.95
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	18	0.95
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	18	0.95
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	18	0.95
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	18	0.95
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	15	0.95
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	15	0.95
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	15	0.95
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	15	0.95
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	15	0.95
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	15	0.95
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	15	0.95
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	15	0.95
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	15	0.95
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	9	0.95
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	9	0.95
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	9	0.95
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	9	0.95
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	9	0.95
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	9	0.95
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	9	0.95
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	9	0.95
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	2	0.95
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	2	0.95
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	2	0.95
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	5	0.95
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	5	0.95
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	5	0.95
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	14	0.95
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	14	0.95
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	14	0.95
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	6	0.95
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	6	0.95
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	6	0.95
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	6	0.95
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	6	0.95
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	6	0.95
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	6	0.95
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	6	0.95
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	6	0.95
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG21	17	0.95
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG22	17	0.95
(1,467)	1:126:A:PHE:HE1	1:132:A:VAL:HG23	17	0.95
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG21	17	0.95
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG22	17	0.95
(1,467)	1:126:A:PHE:HE2	1:132:A:VAL:HG23	17	0.95
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	10	0.95
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	10	0.95
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	10	0.95
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	17	0.95
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	17	0.95
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	17	0.95
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	2	0.95
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	2	0.95
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	2	0.95
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	4	0.95
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	4	0.95
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	4	0.95
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	4	0.94
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	4	0.94
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	4	0.94
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	14	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	14	0.94
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	14	0.94
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	7	0.94
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	7	0.94
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	7	0.94
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	11	0.94
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	11	0.94
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	11	0.94
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	14	0.94
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	14	0.94
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	14	0.94
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	14	0.94
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	14	0.94
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	14	0.94
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE2	3	0.94
(1,2149)	1:108:A:LEU:HD11	1:111:A:LYS:HE3	3	0.94
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE2	3	0.94
(1,2149)	1:108:A:LEU:HD12	1:111:A:LYS:HE3	3	0.94
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE2	3	0.94
(1,2149)	1:108:A:LEU:HD13	1:111:A:LYS:HE3	3	0.94
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	18	0.94
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	18	0.94
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	18	0.94
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	20	0.94
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	20	0.94
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	20	0.94
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	12	0.94
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	12	0.94
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	12	0.94
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	13	0.94
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	13	0.94
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	13	0.94
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	13	0.94
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	13	0.94
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	13	0.94
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	8	0.94
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	8	0.94
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	8	0.94
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	9	0.94
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	9	0.94
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	9	0.94
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	13	0.94
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	13	0.94
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	20	0.94
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	20	0.94
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	20	0.94
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	20	0.94
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	20	0.94
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	20	0.94
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	20	0.94
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	20	0.94
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	20	0.94
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	20	0.94
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	20	0.94
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	20	0.94
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	19	0.94
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	19	0.94
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	19	0.94
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	17	0.94
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	17	0.94
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	17	0.94
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	17	0.94
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	17	0.94
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	17	0.94
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	3	0.94
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	3	0.94
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	3	0.94
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	8	0.94
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	8	0.94
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	8	0.94
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	13	0.94
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	13	0.94
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	13	0.94
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	20	0.94
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	20	0.94
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	20	0.94
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	11	0.94
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	11	0.94
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	11	0.94
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE1	19	0.94
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE2	19	0.94
(1,712)	1:116:A:VAL:HG11	1:168:A:MET:HE3	19	0.94
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE1	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE2	19	0.94
(1,712)	1:116:A:VAL:HG12	1:168:A:MET:HE3	19	0.94
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE1	19	0.94
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE2	19	0.94
(1,712)	1:116:A:VAL:HG13	1:168:A:MET:HE3	19	0.94
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE1	8	0.94
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE2	8	0.94
(1,682)	1:48:A:VAL:HG11	1:1:A:MET:HE3	8	0.94
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE1	8	0.94
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE2	8	0.94
(1,682)	1:48:A:VAL:HG12	1:1:A:MET:HE3	8	0.94
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE1	8	0.94
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE2	8	0.94
(1,682)	1:48:A:VAL:HG13	1:1:A:MET:HE3	8	0.94
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	4	0.94
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	4	0.94
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	4	0.94
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	4	0.94
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	4	0.94
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	4	0.94
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	4	0.94
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	4	0.94
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	4	0.94
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG11	19	0.94
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG12	19	0.94
(1,639)	1:168:A:MET:HE1	1:116:A:VAL:HG13	19	0.94
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG11	19	0.94
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG12	19	0.94
(1,639)	1:168:A:MET:HE2	1:116:A:VAL:HG13	19	0.94
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG11	19	0.94
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG12	19	0.94
(1,639)	1:168:A:MET:HE3	1:116:A:VAL:HG13	19	0.94
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG21	8	0.94
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG22	8	0.94
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG23	8	0.94
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	5	0.94
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	5	0.94
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	5	0.94
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	5	0.94
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	5	0.94
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	5	0.94
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	7	0.94
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	7	0.94
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	7	0.94
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	7	0.94
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	7	0.94
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	7	0.94
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	7	0.94
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	7	0.94
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	4	0.94
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	4	0.94
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	4	0.94
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	4	0.94
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	4	0.94
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	4	0.94
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	4	0.94
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	4	0.94
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	4	0.94
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	18	0.94
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	18	0.94
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	18	0.94
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	7	0.94
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	7	0.94
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	7	0.94
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	1	0.94
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	1	0.94
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	1	0.94
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	1	0.94
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	1	0.94
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	1	0.94
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	11	0.94
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	11	0.94
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	11	0.94
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	14	0.94
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	14	0.94
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	14	0.94
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	14	0.94
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	14	0.94
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	14	0.94
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	9	0.94
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	9	0.94
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	9	0.94
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	12	0.94
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	12	0.94
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	5	0.93
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	5	0.93
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	5	0.93
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	20	0.93
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	20	0.93
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	20	0.93
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	13	0.93
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	13	0.93
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	13	0.93
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	18	0.93
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	18	0.93
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	18	0.93
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	16	0.93
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	16	0.93
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	16	0.93
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	17	0.93
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	17	0.93
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	17	0.93
(1,2192)	1:142:A:LEU:HD21	1:157:A:ILE:HA	18	0.93
(1,2192)	1:142:A:LEU:HD22	1:157:A:ILE:HA	18	0.93
(1,2192)	1:142:A:LEU:HD23	1:157:A:ILE:HA	18	0.93
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	3	0.93
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	3	0.93
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	3	0.93
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	12	0.93
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	12	0.93
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	12	0.93
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD21	19	0.93
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD22	19	0.93
(1,1785)	1:77:A:LEU:HD21	1:75:A:LEU:HD23	19	0.93
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD21	19	0.93
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD22	19	0.93
(1,1785)	1:77:A:LEU:HD22	1:75:A:LEU:HD23	19	0.93
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD21	19	0.93
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD22	19	0.93
(1,1785)	1:77:A:LEU:HD23	1:75:A:LEU:HD23	19	0.93
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	11	0.93
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	11	0.93
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	11	0.93
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	11	0.93
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	11	0.93
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	16	0.93
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	16	0.93
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	16	0.93
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	17	0.93
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	17	0.93
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	17	0.93
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	17	0.93
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	17	0.93
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	17	0.93
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	15	0.93
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	15	0.93
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	15	0.93
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	15	0.93
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	15	0.93
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	15	0.93
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	15	0.93
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	15	0.93
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	15	0.93
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	15	0.93
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	15	0.93
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	15	0.93
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	13	0.93
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	13	0.93
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	13	0.93
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	18	0.93
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	18	0.93
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	18	0.93
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	5	0.93
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	5	0.93
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	5	0.93
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	5	0.93
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	5	0.93
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	5	0.93
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	16	0.93
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	16	0.93
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	16	0.93
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	16	0.93
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	16	0.93
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	16	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	1	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	1	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	1	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	1	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	1	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	1	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	1	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	1	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	9	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	9	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	9	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	9	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	9	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	9	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	9	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	9	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	9	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	12	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	12	0.93
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	12	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	12	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	12	0.93
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	12	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	12	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	12	0.93
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	12	0.93
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	1	0.93
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	1	0.93
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	1	0.93
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	1	0.93
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	1	0.93
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	1	0.93
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	1	0.93
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	1	0.93
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	1	0.93
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	12	0.93
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	12	0.93
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	12	0.93
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	12	0.93
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	12	0.93
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	12	0.93
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	12	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	12	0.93
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	12	0.93
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	3	0.93
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	3	0.93
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	3	0.93
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	3	0.93
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	3	0.93
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	3	0.93
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	10	0.93
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	10	0.93
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	10	0.93
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	10	0.93
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	10	0.93
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	10	0.93
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	1	0.93
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	1	0.93
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	1	0.93
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	1	0.93
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	1	0.93
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	1	0.93
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	1	0.93
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	1	0.93
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	1	0.93
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	12	0.93
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	12	0.93
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	12	0.93
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	12	0.93
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	12	0.93
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	12	0.93
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	12	0.93
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	12	0.93
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	12	0.93
(1,434)	1:157:A:ILE:HA	1:142:A:LEU:HD21	18	0.93
(1,434)	1:157:A:ILE:HA	1:142:A:LEU:HD22	18	0.93
(1,434)	1:157:A:ILE:HA	1:142:A:LEU:HD23	18	0.93
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	20	0.93
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	20	0.93
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	20	0.93
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	12	0.92
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	12	0.92
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	12	0.92
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	6	0.92
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	6	0.92
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	18	0.92
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	18	0.92
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	18	0.92
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	5	0.92
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	5	0.92
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	5	0.92
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	13	0.92
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	13	0.92
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	13	0.92
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	13	0.92
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	13	0.92
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	13	0.92
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	9	0.92
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	9	0.92
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	9	0.92
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	6	0.92
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	6	0.92
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	6	0.92
(1,1530)	1:168:A:MET:HG2	1:48:A:VAL:HG21	15	0.92
(1,1530)	1:168:A:MET:HG2	1:48:A:VAL:HG22	15	0.92
(1,1530)	1:168:A:MET:HG2	1:48:A:VAL:HG23	15	0.92
(1,1530)	1:168:A:MET:HG3	1:48:A:VAL:HG21	15	0.92
(1,1530)	1:168:A:MET:HG3	1:48:A:VAL:HG22	15	0.92
(1,1530)	1:168:A:MET:HG3	1:48:A:VAL:HG23	15	0.92
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	17	0.92
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	17	0.92
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	17	0.92
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	17	0.92
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	17	0.92
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	17	0.92
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	17	0.92
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	17	0.92
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	17	0.92
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	17	0.92
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	17	0.92
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	17	0.92
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	6	0.92
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	6	0.92
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	6	0.92
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	6	0.92
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	6	0.92
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	12	0.92
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	12	0.92
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	12	0.92
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG21	16	0.92
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG22	16	0.92
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG23	16	0.92
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	4	0.92
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	4	0.92
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	4	0.92
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	4	0.92
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	4	0.92
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	4	0.92
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	19	0.92
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	19	0.92
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	19	0.92
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	19	0.92
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	19	0.92
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	19	0.92
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD11	7	0.92
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD12	7	0.92
(1,428)	1:91:A:LEU:HA	1:91:A:LEU:HD13	7	0.92
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	7	0.92
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	7	0.92
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	7	0.92
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	7	0.92
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	7	0.92
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	7	0.92
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	7	0.92
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	7	0.92
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	7	0.92
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	7	0.92
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	7	0.92
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	7	0.92
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	7	0.92
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	7	0.92
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	7	0.92
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	7	0.92
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	7	0.92
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	7	0.92
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	17	0.92
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	17	0.92
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	17	0.92
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	17	0.92
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	17	0.92
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	6	0.91
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	6	0.91
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	6	0.91
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	4	0.91
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	4	0.91
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	4	0.91
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	5	0.91
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	5	0.91
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	5	0.91
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	11	0.91
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	11	0.91
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	11	0.91
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	11	0.91
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	11	0.91
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	11	0.91
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	11	0.91
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	11	0.91
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	11	0.91
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	11	0.91
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	11	0.91
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	11	0.91
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	4	0.91
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	4	0.91
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	4	0.91
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	3	0.91
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	3	0.91
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	3	0.91
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	3	0.91
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	3	0.91
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	3	0.91
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD21	13	0.91
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD22	13	0.91
(1,1199)	1:2:A:ASN:HA	1:29:A:LEU:HD23	13	0.91
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	20	0.91
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	20	0.91
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	20	0.91
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	16	0.91
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	16	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	1	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	1	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	1	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	1	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	1	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	1	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	8	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	8	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	8	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	8	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	8	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	8	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	14	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	14	0.91
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	14	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	14	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	14	0.91
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	14	0.91
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	6	0.91
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	6	0.91
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	6	0.91
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	4	0.91
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	4	0.91
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	4	0.91
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	4	0.91
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	4	0.91
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	4	0.91
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	4	0.91
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	4	0.91
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	4	0.91
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	7	0.91
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	7	0.91
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	7	0.91
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	7	0.91
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	7	0.91
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	7	0.91
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	7	0.91
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	7	0.91
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	7	0.91
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	4	0.91
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	4	0.91
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	4	0.91
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	4	0.91
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	4	0.91
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	4	0.91
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	4	0.91
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	4	0.91
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	4	0.91
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	4	0.91
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	4	0.91
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	4	0.91
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	4	0.91
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	4	0.91
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	4	0.91
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	4	0.91
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	4	0.91
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	9	0.9
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	9	0.9
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	9	0.9
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	13	0.9
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	13	0.9
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	13	0.9
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	17	0.9
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	17	0.9
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	17	0.9
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	18	0.9
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	18	0.9
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	18	0.9
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	12	0.9
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	12	0.9
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	12	0.9
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	3	0.9
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	3	0.9
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	3	0.9
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	3	0.9
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	3	0.9
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	3	0.9
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	13	0.9
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	13	0.9
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	13	0.9
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	8	0.9
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	8	0.9
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	13	0.9
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	13	0.9
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	13	0.9
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	3	0.9
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	3	0.9
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	3	0.9
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	3	0.9
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	3	0.9
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	3	0.9
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	2	0.9
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	2	0.9
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	2	0.9
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	18	0.9
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	18	0.9
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	18	0.9
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	18	0.9
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	18	0.9
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	18	0.9
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	18	0.9
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	18	0.9
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	18	0.9
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	18	0.9
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	18	0.9
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	18	0.9
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	13	0.9
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	13	0.9
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	13	0.9
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	9	0.9
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	9	0.9
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	9	0.9
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	7	0.9
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	7	0.9
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	7	0.9
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	7	0.9
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	7	0.9
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	7	0.9
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	4	0.9
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	4	0.9
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	4	0.9
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	4	0.9
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	4	0.9
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	6	0.9
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	6	0.9
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	6	0.9
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	6	0.9
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	6	0.9
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	6	0.9
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	6	0.9
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	6	0.9
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	6	0.9
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	11	0.9
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	11	0.9
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	11	0.9
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	11	0.9
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	11	0.9
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	11	0.9
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	11	0.9
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	11	0.9
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	11	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	10	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	10	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	10	0.9
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	10	0.9
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	10	0.9
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	10	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	10	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	10	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	10	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	17	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	17	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	17	0.9
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	17	0.9
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	17	0.9
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	17	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	17	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	17	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	17	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	18	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	18	0.9
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	18	0.9
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	18	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	18	0.9
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	18	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	18	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	18	0.9
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	18	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	10	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	10	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	10	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	10	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	10	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	10	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	10	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	10	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	10	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	17	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	17	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	17	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	17	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	17	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	17	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	17	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	17	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	17	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	18	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	18	0.9
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	18	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	18	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	18	0.9
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	18	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	18	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	18	0.9
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	18	0.9
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	13	0.9
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	13	0.9
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	13	0.9
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	13	0.9
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	13	0.9
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	13	0.9
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	13	0.9
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	13	0.9
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	13	0.9
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	8	0.9
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	8	0.9
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	7	0.89
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	7	0.89
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	7	0.89
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	5	0.89
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	5	0.89
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	5	0.89
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	16	0.89
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	16	0.89
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	16	0.89
(1,3038)	1:75:A:LEU:HD11	1:76:A:ASN:H	17	0.89
(1,3038)	1:75:A:LEU:HD12	1:76:A:ASN:H	17	0.89
(1,3038)	1:75:A:LEU:HD13	1:76:A:ASN:H	17	0.89
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	7	0.89
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	7	0.89
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	7	0.89
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	7	0.89
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	7	0.89
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	7	0.89
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	2	0.89
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	2	0.89
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	2	0.89
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	3	0.89
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	3	0.89
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	3	0.89
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	7	0.89
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	7	0.89
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	7	0.89
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	2	0.89
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	2	0.89
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	2	0.89
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	10	0.89
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	10	0.89
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	10	0.89
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD11	9	0.89
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD12	9	0.89
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD13	9	0.89
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD11	9	0.89
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD12	9	0.89
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD13	9	0.89
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	12	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	12	0.89
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	12	0.89
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	15	0.89
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	15	0.89
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	15	0.89
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	20	0.89
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	20	0.89
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	20	0.89
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	20	0.89
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	20	0.89
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	20	0.89
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	2	0.89
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	2	0.89
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	2	0.89
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	13	0.89
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	13	0.89
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	13	0.89
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	13	0.89
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	13	0.89
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	13	0.89
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	13	0.89
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	13	0.89
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	13	0.89
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	4	0.89
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	4	0.89
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	4	0.89
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	15	0.89
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	15	0.89
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	15	0.89
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	15	0.89
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	15	0.89
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	15	0.89
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	15	0.89
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	15	0.89
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	15	0.89
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	12	0.89
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	12	0.89
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	12	0.89
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	12	0.89
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	12	0.89
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	12	0.89
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	8	0.89
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	8	0.89
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	8	0.89
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	8	0.89
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	8	0.89
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD11	17	0.89
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD12	17	0.89
(1,512)	1:72:A:LEU:HA	1:72:A:LEU:HD13	17	0.89
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	8	0.89
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	8	0.89
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	8	0.89
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	8	0.89
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	8	0.89
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	8	0.89
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	8	0.89
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	8	0.89
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	8	0.89
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	16	0.89
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	16	0.89
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	16	0.89
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD11	17	0.89
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD12	17	0.89
(1,472)	1:76:A:ASN:H	1:75:A:LEU:HD13	17	0.89
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	1	0.89
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	1	0.89
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	1	0.89
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	1	0.89
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	1	0.89
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	1	0.89
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	1	0.89
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	1	0.89
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	1	0.89
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	16	0.89
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	16	0.89
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	16	0.89
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	1	0.88
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	1	0.88
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	1	0.88
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG21	8	0.88
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG22	8	0.88
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG23	8	0.88
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG21	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG22	8	0.88
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG23	8	0.88
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	15	0.88
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	15	0.88
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	15	0.88
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	18	0.88
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	18	0.88
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	18	0.88
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	17	0.88
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	17	0.88
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	17	0.88
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	4	0.88
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	4	0.88
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	4	0.88
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	18	0.88
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	18	0.88
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	18	0.88
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	18	0.88
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	18	0.88
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	18	0.88
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	11	0.88
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	11	0.88
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	11	0.88
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	2	0.88
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	2	0.88
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	2	0.88
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	2	0.88
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	2	0.88
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	2	0.88
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	3	0.88
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	3	0.88
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	3	0.88
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	3	0.88
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	3	0.88
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	3	0.88
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	7	0.88
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	7	0.88
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	7	0.88
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	7	0.88
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	7	0.88
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	7	0.88
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	19	0.88
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	19	0.88
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	19	0.88
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	19	0.88
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	19	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	2	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	2	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	2	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	2	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	2	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	2	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	3	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	3	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	3	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	3	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	3	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	3	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	7	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	7	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	7	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	7	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	7	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	7	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	19	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	19	0.88
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	19	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	19	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	19	0.88
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	19	0.88
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	17	0.88
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	17	0.88
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	17	0.88
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	16	0.88
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	16	0.88
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	16	0.88
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	9	0.88
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	9	0.88
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	9	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	9	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	9	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	9	0.88
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	12	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	12	0.88
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	12	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	12	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	12	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	12	0.88
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	16	0.88
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	16	0.88
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	16	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	16	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	16	0.88
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	16	0.88
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	14	0.88
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	14	0.88
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	14	0.88
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	14	0.88
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	14	0.88
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	14	0.88
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	14	0.88
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	14	0.88
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	14	0.88
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	20	0.88
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	20	0.88
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	20	0.88
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	20	0.88
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	20	0.88
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	20	0.88
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	20	0.88
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	20	0.88
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	20	0.88
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	14	0.88
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	14	0.88
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	14	0.88
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	14	0.88
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	14	0.88
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	14	0.88
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	14	0.88
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	14	0.88
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	14	0.88
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG21	13	0.88
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG22	13	0.88
(1,507)	1:22:A:ARG:H	1:30:A:VAL:HG23	13	0.88
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	10	0.88
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	10	0.88
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	10	0.88
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	10	0.88
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	10	0.88
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	10	0.88
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	10	0.88
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	10	0.88
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	10	0.88
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	10	0.88
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	10	0.88
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	10	0.88
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	10	0.88
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	10	0.88
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	10	0.88
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	10	0.88
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	10	0.88
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	5	0.88
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	5	0.88
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	5	0.88
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	15	0.88
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	15	0.88
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	15	0.88
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	5	0.87
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	5	0.87
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	5	0.87
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	12	0.87
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	12	0.87
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	12	0.87
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	12	0.87
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	12	0.87
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	12	0.87
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	18	0.87
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	18	0.87
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	18	0.87
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	18	0.87
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	18	0.87
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	18	0.87
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	8	0.87
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	8	0.87
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	8	0.87
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	11	0.87
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	11	0.87
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	13	0.87
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	13	0.87
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	13	0.87
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	13	0.87
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	13	0.87
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	13	0.87
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	19	0.87
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	19	0.87
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	19	0.87
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	20	0.87
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	20	0.87
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	20	0.87
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	20	0.87
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	20	0.87
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	20	0.87
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	20	0.87
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	20	0.87
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	20	0.87
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	20	0.87
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	20	0.87
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	20	0.87
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	20	0.87
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	20	0.87
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	20	0.87
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	20	0.87
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	20	0.87
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	20	0.87
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	3	0.87
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	3	0.87
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	3	0.87
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	3	0.87
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	3	0.87
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	3	0.87
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	13	0.87
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	13	0.87
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	13	0.87
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	13	0.87
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	13	0.87
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	13	0.87
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	13	0.87
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	13	0.87
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	3	0.87
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	3	0.87
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	3	0.87
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	3	0.87
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	3	0.87
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	3	0.87
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	4	0.87
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	4	0.87
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	4	0.87
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	4	0.87
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	4	0.87
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	4	0.87
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	11	0.87
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	11	0.87
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	11	0.87
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	11	0.87
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	11	0.87
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	11	0.87
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	12	0.87
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	12	0.87
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	12	0.87
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	12	0.87
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	12	0.87
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	12	0.87
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	12	0.87
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	12	0.87
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	12	0.87
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	20	0.87
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	20	0.87
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	20	0.87
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	20	0.87
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	20	0.87
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	20	0.87
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	20	0.87
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	20	0.87
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	20	0.87
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	5	0.87
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	5	0.87
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	5	0.87
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	5	0.87
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	5	0.87
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	5	0.87
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	5	0.87
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	5	0.87
(1,365)	1:42:A:LEU:HA	1:42:A:LEU:HD11	14	0.87
(1,365)	1:42:A:LEU:HA	1:42:A:LEU:HD12	14	0.87
(1,365)	1:42:A:LEU:HA	1:42:A:LEU:HD13	14	0.87
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	9	0.86
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	9	0.86
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	9	0.86
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	10	0.86
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	10	0.86
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	10	0.86
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	4	0.86
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	4	0.86
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	4	0.86
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	4	0.86
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	4	0.86
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	4	0.86
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	17	0.86
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	17	0.86
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	17	0.86
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	9	0.86
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	9	0.86
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	9	0.86
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	9	0.86
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	9	0.86
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	9	0.86
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	7	0.86
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	7	0.86
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	7	0.86
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	7	0.86
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	7	0.86
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	7	0.86
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	7	0.86
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	7	0.86
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	7	0.86
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	6	0.86
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	6	0.86
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	6	0.86
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	6	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	6	0.86
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	6	0.86
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	1	0.86
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	1	0.86
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	1	0.86
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	16	0.86
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	16	0.86
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	16	0.86
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	7	0.86
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	7	0.86
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	7	0.86
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	7	0.86
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	7	0.86
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	7	0.86
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	6	0.86
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	6	0.86
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	6	0.86
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	6	0.86
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	6	0.86
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	6	0.86
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	6	0.86
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	6	0.86
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	6	0.86
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	6	0.86
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	6	0.86
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	6	0.86
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	18	0.86
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	18	0.86
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	18	0.86
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	18	0.86
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	18	0.86
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	18	0.86
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	15	0.86
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	15	0.86
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	15	0.86
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	5	0.86
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	5	0.86
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	5	0.86
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	13	0.86
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	13	0.86
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	13	0.86
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD11	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD12	17	0.86
(1,1243)	1:75:A:LEU:H	1:72:A:LEU:HD13	17	0.86
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	18	0.86
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	18	0.86
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	18	0.86
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	15	0.86
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	15	0.86
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	15	0.86
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	20	0.86
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	20	0.86
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	20	0.86
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	20	0.86
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	20	0.86
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	20	0.86
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	20	0.86
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	20	0.86
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	20	0.86
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	11	0.86
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	11	0.86
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	11	0.86
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	11	0.86
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	11	0.86
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	11	0.86
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	11	0.86
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	11	0.86
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	11	0.86
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	8	0.86
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	8	0.86
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	8	0.86
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	8	0.86
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	8	0.86
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	8	0.86
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	8	0.86
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	8	0.86
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	8	0.86
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	18	0.86
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	18	0.86
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	18	0.86
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	18	0.86
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	18	0.86
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	18	0.86
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	18	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	18	0.86
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	18	0.86
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	11	0.86
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	11	0.86
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	11	0.86
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	11	0.86
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	11	0.86
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	11	0.86
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	11	0.86
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	11	0.86
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	11	0.86
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	8	0.86
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	8	0.86
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	8	0.86
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	8	0.86
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	8	0.86
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	8	0.86
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	8	0.86
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	8	0.86
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	8	0.86
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	18	0.86
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	18	0.86
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	18	0.86
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	18	0.86
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	18	0.86
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	18	0.86
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	18	0.86
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	18	0.86
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	18	0.86
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	9	0.86
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	9	0.86
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	9	0.86
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	9	0.86
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	9	0.86
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	9	0.86
(1,49)	1:72:A:LEU:HD21	1:69:A:TRP:HA	6	0.86
(1,49)	1:72:A:LEU:HD22	1:69:A:TRP:HA	6	0.86
(1,49)	1:72:A:LEU:HD23	1:69:A:TRP:HA	6	0.86
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	5	0.85
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	5	0.85
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	5	0.85
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	8	0.85
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	8	0.85
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	10	0.85
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	10	0.85
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	10	0.85
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	18	0.85
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	18	0.85
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	18	0.85
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	12	0.85
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	12	0.85
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	12	0.85
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	12	0.85
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	12	0.85
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	12	0.85
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	14	0.85
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	14	0.85
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	14	0.85
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	16	0.85
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	16	0.85
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	16	0.85
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	8	0.85
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	8	0.85
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	8	0.85
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	6	0.85
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	6	0.85
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	6	0.85
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	19	0.85
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	19	0.85
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	19	0.85
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	19	0.85
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	19	0.85
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	19	0.85
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	11	0.85
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	11	0.85
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	11	0.85
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	20	0.85
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	20	0.85
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	20	0.85
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	20	0.85
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	20	0.85
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	20	0.85
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	2	0.85
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	2	0.85
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	5	0.85
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	5	0.85
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	5	0.85
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	4	0.85
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	4	0.85
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	4	0.85
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	4	0.85
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	4	0.85
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	4	0.85
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	4	0.85
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	4	0.85
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	4	0.85
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG21	19	0.85
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG22	19	0.85
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG23	19	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	11	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	11	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	11	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	11	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	11	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	11	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	11	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	11	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	11	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	15	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	15	0.85
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	15	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	15	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	15	0.85
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	15	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	15	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	15	0.85
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	15	0.85
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	3	0.85
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	3	0.85
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	3	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	3	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	3	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	3	0.85
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	9	0.85
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	9	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	9	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	9	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	9	0.85
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	20	0.85
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	20	0.85
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	20	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	20	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	20	0.85
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	20	0.85
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	14	0.85
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	14	0.85
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	14	0.85
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	11	0.85
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	11	0.85
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	11	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	11	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	11	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	11	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	11	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	11	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	11	0.85
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	15	0.85
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	15	0.85
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	15	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	15	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	15	0.85
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	15	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	15	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	15	0.85
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	15	0.85
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	6	0.85
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	6	0.85
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	6	0.85
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	6	0.85
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	6	0.85
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	6	0.85
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	6	0.85
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	6	0.85
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	6	0.85
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD21	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD22	20	0.84
(2,19)	1:69:A:TRP:HE3	1:72:A:LEU:HD23	20	0.84
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	6	0.84
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	6	0.84
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	6	0.84
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG21	16	0.84
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG22	16	0.84
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG23	16	0.84
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG21	16	0.84
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG22	16	0.84
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG23	16	0.84
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	5	0.84
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	5	0.84
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	5	0.84
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	12	0.84
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	12	0.84
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	12	0.84
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	17	0.84
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	17	0.84
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	17	0.84
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	14	0.84
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	14	0.84
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	14	0.84
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	13	0.84
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	13	0.84
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	13	0.84
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	13	0.84
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	13	0.84
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	13	0.84
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	3	0.84
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	3	0.84
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	3	0.84
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	10	0.84
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	10	0.84
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	10	0.84
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	10	0.84
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	10	0.84
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	10	0.84
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	10	0.84
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	10	0.84
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	10	0.84
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	12	0.84
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	12	0.84
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	12	0.84
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	12	0.84
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	12	0.84
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	10	0.84
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	10	0.84
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	10	0.84
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	10	0.84
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	10	0.84
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	10	0.84
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	12	0.84
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	12	0.84
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	12	0.84
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	12	0.84
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	12	0.84
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	12	0.84
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	14	0.84
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	14	0.84
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	14	0.84
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	8	0.84
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	8	0.84
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	8	0.84
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	15	0.84
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	15	0.84
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	15	0.84
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	15	0.84
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	15	0.84
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	15	0.84
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	6	0.84
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	6	0.84
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	6	0.84
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	17	0.84
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	17	0.84
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	17	0.84
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	18	0.84
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	18	0.84
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	18	0.84
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	8	0.84
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	8	0.84
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	8	0.84
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	8	0.84
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	8	0.84
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	8	0.84
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	8	0.84
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	8	0.84
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	8	0.84
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	8	0.84
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	8	0.84
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	8	0.84
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	8	0.84
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	8	0.84
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	8	0.84
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	8	0.84
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	8	0.84
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	17	0.84
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	17	0.84
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	17	0.84
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	17	0.84
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	17	0.84
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	17	0.84
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	17	0.84
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	17	0.84
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	17	0.84
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	7	0.84
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	7	0.84
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	7	0.84
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	7	0.84
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	7	0.84
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	7	0.84
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	19	0.84
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	19	0.84
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	19	0.84
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	19	0.84
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	19	0.84
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	19	0.84
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	8	0.84
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	8	0.84
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	8	0.84
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	8	0.84
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	8	0.84
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	8	0.84
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	8	0.84
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	8	0.84
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	17	0.84
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	17	0.84
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	17	0.84
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	17	0.84
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	17	0.84
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	17	0.84
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	17	0.84
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	17	0.84
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	17	0.84
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	3	0.83
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	3	0.83
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	3	0.83
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	3	0.83
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	3	0.83
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	3	0.83
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	3	0.83
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	3	0.83
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	3	0.83
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	1	0.83
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	1	0.83
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	1	0.83
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	1	0.83
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	1	0.83
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	1	0.83
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	11	0.83
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	11	0.83
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	11	0.83
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	11	0.83
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	11	0.83
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	11	0.83
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	1	0.83
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	1	0.83
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	1	0.83
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	1	0.83
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	1	0.83
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	1	0.83
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	13	0.83
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	13	0.83
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	13	0.83
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	13	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	13	0.83
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	13	0.83
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	15	0.83
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	15	0.83
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	15	0.83
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	13	0.83
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	13	0.83
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	13	0.83
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	13	0.83
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	13	0.83
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	13	0.83
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	4	0.83
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	4	0.83
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	4	0.83
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	4	0.83
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	4	0.83
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	4	0.83
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	1	0.83
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	1	0.83
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	1	0.83
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	12	0.83
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	12	0.83
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	12	0.83
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	5	0.83
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	5	0.83
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	5	0.83
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	5	0.83
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	5	0.83
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	5	0.83
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	5	0.83
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	5	0.83
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	5	0.83
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	5	0.83
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	5	0.83
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	5	0.83
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	1	0.83
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	1	0.83
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	1	0.83
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	10	0.83
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	10	0.83
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	10	0.83
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	17	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	17	0.83
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	17	0.83
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	10	0.83
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	10	0.83
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	10	0.83
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD21	19	0.83
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD22	19	0.83
(1,1028)	1:115:A:PHE:HD1	1:84:A:LEU:HD23	19	0.83
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD21	19	0.83
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD22	19	0.83
(1,1028)	1:115:A:PHE:HD2	1:84:A:LEU:HD23	19	0.83
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	4	0.83
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	4	0.83
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	4	0.83
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	15	0.83
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	15	0.83
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	15	0.83
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	15	0.83
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	15	0.83
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	15	0.83
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	15	0.83
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	15	0.83
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	15	0.83
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	5	0.83
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	5	0.83
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	5	0.83
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	5	0.83
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	5	0.83
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	5	0.83
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	5	0.83
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	5	0.83
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	5	0.83
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	15	0.83
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	15	0.83
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	15	0.83
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	15	0.83
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	15	0.83
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	15	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	1	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	1	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	1	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	1	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	1	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	2	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	2	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	2	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	2	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	2	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	2	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	5	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	5	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	5	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	5	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	5	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	5	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	10	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	10	0.83
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	10	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	10	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	10	0.83
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	10	0.83
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	15	0.83
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	15	0.83
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	15	0.83
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	15	0.83
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	15	0.83
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	15	0.83
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	15	0.83
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	15	0.83
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	15	0.83
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	5	0.83
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	5	0.83
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	5	0.83
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	5	0.83
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	5	0.83
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	5	0.83
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	5	0.83
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	5	0.83
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	5	0.83
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	1	0.83
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	1	0.83
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	1	0.83
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	1	0.83
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	1	0.83
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	1	0.83
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	1	0.83
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	1	0.83
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	1	0.83
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	1	0.83
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	1	0.83
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	11	0.83
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	11	0.83
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	11	0.83
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	11	0.83
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	11	0.83
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	11	0.83
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	14	0.82
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	14	0.82
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	14	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	13	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	13	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	13	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	14	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	14	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	14	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	20	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	20	0.82
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	20	0.82
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	19	0.82
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	19	0.82
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	19	0.82
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	19	0.82
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	19	0.82
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	19	0.82
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	9	0.82
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	9	0.82
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	9	0.82
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	16	0.82
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	16	0.82
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	16	0.82
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	19	0.82
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	19	0.82
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	19	0.82
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	19	0.82
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	19	0.82
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	1	0.82
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	1	0.82
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	1	0.82
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	4	0.82
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	4	0.82
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	4	0.82
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	4	0.82
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	4	0.82
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	4	0.82
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	16	0.82
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	16	0.82
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	16	0.82
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	16	0.82
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	16	0.82
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	16	0.82
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	4	0.82
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	4	0.82
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	4	0.82
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	4	0.82
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	4	0.82
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	4	0.82
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	16	0.82
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	16	0.82
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	16	0.82
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	16	0.82
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	16	0.82
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	16	0.82
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	18	0.82
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	18	0.82
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	18	0.82
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	1	0.82
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	1	0.82
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	1	0.82
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	5	0.82
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	5	0.82
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	5	0.82
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	12	0.82
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	12	0.82
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	12	0.82
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	14	0.82
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	14	0.82
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	7	0.82
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	7	0.82
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	7	0.82
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	7	0.82
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	7	0.82
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	7	0.82
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	7	0.82
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	7	0.82
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	7	0.82
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	13	0.82
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	13	0.82
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	13	0.82
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	13	0.82
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	13	0.82
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	13	0.82
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	13	0.82
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	13	0.82
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	13	0.82
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	5	0.82
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	5	0.82
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	5	0.82
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	5	0.82
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	5	0.82
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	5	0.82
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	12	0.82
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	12	0.82
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	12	0.82
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	12	0.82
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	12	0.82
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	12	0.82
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	5	0.82
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	5	0.82
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	5	0.82
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	5	0.82
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	5	0.82
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	5	0.82
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	12	0.82
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	12	0.82
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	12	0.82
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	12	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	12	0.82
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	12	0.82
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	12	0.82
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	12	0.82
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	12	0.82
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	12	0.82
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	12	0.82
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	12	0.82
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	15	0.82
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	15	0.82
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	15	0.82
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	15	0.82
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	15	0.82
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	15	0.82
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	14	0.82
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	14	0.82
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	14	0.82
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	14	0.82
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	14	0.82
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	14	0.82
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	14	0.82
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	14	0.82
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	14	0.82
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	7	0.82
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	7	0.82
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	7	0.82
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	7	0.82
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	7	0.82
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	7	0.82
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	7	0.82
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	7	0.82
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	7	0.82
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	13	0.82
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	13	0.82
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	13	0.82
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	13	0.82
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	13	0.82
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	13	0.82
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	13	0.82
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	13	0.82
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	13	0.82
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	5	0.82
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	5	0.82
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	5	0.82
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	5	0.82
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	5	0.82
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	13	0.82
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	13	0.82
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	13	0.82
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	13	0.82
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	13	0.82
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	13	0.82
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	10	0.82
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	10	0.82
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	10	0.82
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	10	0.82
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	10	0.82
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	10	0.82
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	10	0.82
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	10	0.82
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	10	0.82
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	11	0.82
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	11	0.82
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	11	0.82
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	11	0.82
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	11	0.82
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	11	0.82
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	11	0.82
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	11	0.82
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	11	0.82
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	1	0.82
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	1	0.82
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	1	0.82
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	1	0.82
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	1	0.82
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	1	0.82
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	1	0.82
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	1	0.82
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	1	0.82
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	1	0.82
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	1	0.82
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	1	0.82
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	1	0.82
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	1	0.82
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	1	0.82
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	1	0.82
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	1	0.82
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	15	0.81
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	15	0.81
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	15	0.81
(1,2624)	1:168:A:MET:HE1	1:48:A:VAL:HG11	15	0.81
(1,2624)	1:168:A:MET:HE1	1:48:A:VAL:HG12	15	0.81
(1,2624)	1:168:A:MET:HE1	1:48:A:VAL:HG13	15	0.81
(1,2624)	1:168:A:MET:HE2	1:48:A:VAL:HG11	15	0.81
(1,2624)	1:168:A:MET:HE2	1:48:A:VAL:HG12	15	0.81
(1,2624)	1:168:A:MET:HE2	1:48:A:VAL:HG13	15	0.81
(1,2624)	1:168:A:MET:HE3	1:48:A:VAL:HG11	15	0.81
(1,2624)	1:168:A:MET:HE3	1:48:A:VAL:HG12	15	0.81
(1,2624)	1:168:A:MET:HE3	1:48:A:VAL:HG13	15	0.81
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	3	0.81
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	3	0.81
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	3	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	3	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	3	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	3	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	6	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	6	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	6	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	9	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	9	0.81
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	9	0.81
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	4	0.81
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	4	0.81
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	4	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	4	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	4	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	4	0.81
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	15	0.81
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	15	0.81
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	15	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	15	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	15	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	15	0.81
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	16	0.81
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	16	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	16	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	16	0.81
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	16	0.81
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	17	0.81
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	17	0.81
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	17	0.81
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	17	0.81
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	17	0.81
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	17	0.81
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	12	0.81
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	12	0.81
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	12	0.81
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	12	0.81
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	12	0.81
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	12	0.81
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	3	0.81
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	3	0.81
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	3	0.81
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	12	0.81
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	12	0.81
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	12	0.81
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	12	0.81
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	12	0.81
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	12	0.81
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	15	0.81
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	15	0.81
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	15	0.81
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	15	0.81
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	15	0.81
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	15	0.81
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	10	0.81
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	10	0.81
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	10	0.81
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	10	0.81
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	10	0.81
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	10	0.81
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG21	3	0.81
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG22	3	0.81
(1,1520)	1:41:A:LYS:H	1:68:A:VAL:HG23	3	0.81
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG2	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:42:A:LEU:HD21	1:45:A:GLN:HG3	5	0.81
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG2	5	0.81
(1,1469)	1:42:A:LEU:HD22	1:45:A:GLN:HG3	5	0.81
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG2	5	0.81
(1,1469)	1:42:A:LEU:HD23	1:45:A:GLN:HG3	5	0.81
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD21	5	0.81
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD22	5	0.81
(1,1415)	1:45:A:GLN:HG2	1:42:A:LEU:HD23	5	0.81
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD21	5	0.81
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD22	5	0.81
(1,1415)	1:45:A:GLN:HG3	1:42:A:LEU:HD23	5	0.81
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	3	0.81
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	3	0.81
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	3	0.81
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	10	0.81
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	10	0.81
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	10	0.81
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	10	0.81
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	10	0.81
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	10	0.81
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	10	0.81
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	10	0.81
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	10	0.81
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	16	0.81
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	16	0.81
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	16	0.81
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	16	0.81
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	16	0.81
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	16	0.81
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	16	0.81
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	16	0.81
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	16	0.81
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	9	0.81
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	9	0.81
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	9	0.81
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	9	0.81
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	9	0.81
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	9	0.81
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	11	0.81
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	11	0.81
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	11	0.81
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	11	0.81
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	11	0.81
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	9	0.81
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	9	0.81
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	9	0.81
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	9	0.81
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	9	0.81
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	9	0.81
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	11	0.81
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	11	0.81
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	11	0.81
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	11	0.81
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	11	0.81
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	11	0.81
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	17	0.81
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	17	0.81
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	17	0.81
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	17	0.81
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	17	0.81
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	17	0.81
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD11	5	0.81
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD12	5	0.81
(1,430)	1:7:A:TYR:HD1	1:5:A:LEU:HD13	5	0.81
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD11	5	0.81
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD12	5	0.81
(1,430)	1:7:A:TYR:HD2	1:5:A:LEU:HD13	5	0.81
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	18	0.81
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	18	0.81
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	18	0.81
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	18	0.81
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	18	0.81
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	18	0.81
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	18	0.81
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	18	0.81
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	18	0.81
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	18	0.81
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	18	0.81
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	18	0.81
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	18	0.81
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	18	0.81
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	18	0.81
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	18	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	18	0.81
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	18	0.81
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	17	0.81
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	17	0.81
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	17	0.81
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	17	0.81
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	17	0.81
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	17	0.81
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	1	0.8
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	1	0.8
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	1	0.8
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	16	0.8
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	16	0.8
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	16	0.8
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG21	1	0.8
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG22	1	0.8
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG23	1	0.8
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG21	1	0.8
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG22	1	0.8
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG23	1	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	2	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	2	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	2	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	7	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	7	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	7	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	15	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	15	0.8
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	15	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	2	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	2	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	2	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	2	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	2	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	2	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	5	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	5	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	5	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	5	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	5	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	5	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	17	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	17	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	17	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	17	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	17	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	17	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	20	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	20	0.8
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	20	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	20	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	20	0.8
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	20	0.8
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	6	0.8
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	6	0.8
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	6	0.8
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	20	0.8
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	20	0.8
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	20	0.8
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	4	0.8
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	4	0.8
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	4	0.8
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	4	0.8
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	4	0.8
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	4	0.8
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	16	0.8
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	16	0.8
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	16	0.8
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	1	0.8
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	1	0.8
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	1	0.8
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD11	17	0.8
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD12	17	0.8
(1,1950)	1:101:A:LEU:H	1:98:A:LEU:HD13	17	0.8
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	4	0.8
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	4	0.8
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	4	0.8
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	4	0.8
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	4	0.8
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	4	0.8
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	14	0.8
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	14	0.8
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	14	0.8
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	1	0.8
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	1	0.8
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	11	0.8
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	11	0.8
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	11	0.8
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	4	0.8
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	4	0.8
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	4	0.8
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	4	0.8
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	4	0.8
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	4	0.8
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	4	0.8
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	4	0.8
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	4	0.8
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	14	0.8
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	14	0.8
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	14	0.8
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	14	0.8
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	14	0.8
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	14	0.8
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	14	0.8
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	14	0.8
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	14	0.8
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	14	0.8
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	14	0.8
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	14	0.8
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	14	0.8
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	14	0.8
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	14	0.8
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	14	0.8
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	14	0.8
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	14	0.8
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	19	0.8
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	19	0.8
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	19	0.8
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	19	0.8
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	19	0.8
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	19	0.8
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	19	0.8
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	19	0.8
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	19	0.8
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	13	0.8
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	13	0.8
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	13	0.8
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	13	0.8
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	13	0.8
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	14	0.8
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	14	0.8
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	14	0.8
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	14	0.8
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	14	0.8
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	14	0.8
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	14	0.8
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	14	0.8
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	14	0.8
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	19	0.8
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	19	0.8
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	19	0.8
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	19	0.8
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	19	0.8
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	19	0.8
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	19	0.8
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	19	0.8
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	19	0.8
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	17	0.8
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	17	0.8
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	17	0.8
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	17	0.8
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	17	0.8
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	17	0.8
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	17	0.8
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	17	0.8
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	17	0.8
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	20	0.8
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	20	0.8
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	20	0.8
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	20	0.8
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	20	0.8
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	20	0.8
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	13	0.8
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	13	0.8
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	13	0.8
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	13	0.8
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	13	0.8
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	18	0.79
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	18	0.79
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	18	0.79
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	8	0.79
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	8	0.79
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	8	0.79
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	19	0.79
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	19	0.79
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	19	0.79
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	5	0.79
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	5	0.79
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	5	0.79
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	15	0.79
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	15	0.79
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	15	0.79
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	15	0.79
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	15	0.79
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	15	0.79
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	19	0.79
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	19	0.79
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	19	0.79
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	19	0.79
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	19	0.79
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	19	0.79
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	6	0.79
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	6	0.79
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	6	0.79
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	6	0.79
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	6	0.79
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	6	0.79
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	20	0.79
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	20	0.79
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	20	0.79
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	20	0.79
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	20	0.79
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	20	0.79
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	9	0.79
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	9	0.79
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	9	0.79
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	6	0.79
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	6	0.79
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	6	0.79
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	6	0.79
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	6	0.79
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	20	0.79
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	20	0.79
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	20	0.79
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	20	0.79
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	20	0.79
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	20	0.79
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	7	0.79
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	7	0.79
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	7	0.79
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	7	0.79
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	7	0.79
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	7	0.79
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	4	0.79
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	4	0.79
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	4	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	1	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	1	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	1	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	2	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	2	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	2	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	12	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	12	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	12	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	20	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	20	0.79
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	20	0.79
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	1	0.79
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	1	0.79
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	1	0.79
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	10	0.79
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	10	0.79
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	10	0.79
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	10	0.79
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	10	0.79
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	10	0.79
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	19	0.79
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	19	0.79
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	9	0.79
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	9	0.79
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	9	0.79
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	9	0.79
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	9	0.79
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	9	0.79
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	9	0.79
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	9	0.79
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	9	0.79
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	13	0.79
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	13	0.79
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	13	0.79
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	13	0.79
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	13	0.79
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	13	0.79
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	13	0.79
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	13	0.79
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	13	0.79
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD11	8	0.79
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD12	8	0.79
(1,566)	1:144:A:LEU:HD11	1:142:A:LEU:HD13	8	0.79
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD11	8	0.79
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD12	8	0.79
(1,566)	1:144:A:LEU:HD12	1:142:A:LEU:HD13	8	0.79
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD11	8	0.79
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD12	8	0.79
(1,566)	1:144:A:LEU:HD13	1:142:A:LEU:HD13	8	0.79
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	14	0.79
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	14	0.79
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	14	0.79
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	14	0.79
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	14	0.79
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	14	0.79
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	15	0.79
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	15	0.79
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	15	0.79
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	15	0.79
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	15	0.79
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	15	0.79
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	19	0.79
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	19	0.79
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	19	0.79
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	19	0.79
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	19	0.79
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	20	0.78
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	20	0.78
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	20	0.78
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	20	0.78
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	20	0.78
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	20	0.78
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	7	0.78
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	7	0.78
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	7	0.78
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	7	0.78
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	7	0.78
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	7	0.78
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	4	0.78
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	4	0.78
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	4	0.78
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	20	0.78
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	20	0.78
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	20	0.78
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	20	0.78
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	20	0.78
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	20	0.78
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	20	0.78
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	20	0.78
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	20	0.78
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	15	0.78
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	15	0.78
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	15	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	10	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	10	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	10	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	14	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	14	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	14	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	17	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	17	0.78
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	17	0.78
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	12	0.78
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	12	0.78
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	12	0.78
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	12	0.78
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	12	0.78
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	12	0.78
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	12	0.78
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	12	0.78
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	2	0.78
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	2	0.78
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	2	0.78
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	2	0.78
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	2	0.78
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	2	0.78
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	2	0.78
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	2	0.78
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	2	0.78
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	17	0.78
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	17	0.78
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	17	0.78
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	17	0.78
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	17	0.78
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	17	0.78
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	17	0.78
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	17	0.78
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	17	0.78
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	17	0.78
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	17	0.78
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	17	0.78
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	17	0.78
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	17	0.78
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	17	0.78
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	16	0.78
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	16	0.78
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	16	0.78
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	16	0.78
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	16	0.78
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	16	0.78
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	18	0.78
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	18	0.78
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	18	0.78
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	18	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	18	0.78
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	18	0.78
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	2	0.78
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	2	0.78
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	2	0.78
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	2	0.78
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	2	0.78
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	2	0.78
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	2	0.78
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	2	0.78
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	2	0.78
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	16	0.78
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	16	0.78
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	16	0.78
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	16	0.78
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	16	0.78
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	16	0.78
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	16	0.78
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	16	0.78
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	16	0.78
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	20	0.78
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	20	0.78
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	20	0.78
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	20	0.78
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	20	0.78
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	20	0.78
(1,223)	1:48:A:VAL:HG21	1:81:A:ILE:HB	15	0.78
(1,223)	1:48:A:VAL:HG22	1:81:A:ILE:HB	15	0.78
(1,223)	1:48:A:VAL:HG23	1:81:A:ILE:HB	15	0.78
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	20	0.77
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	20	0.77
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	20	0.77
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	19	0.77
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	19	0.77
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	19	0.77
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	20	0.77
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	20	0.77
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	20	0.77
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	18	0.77
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	18	0.77
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	18	0.77
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	11	0.77
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	11	0.77
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	6	0.77
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	6	0.77
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	6	0.77
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	11	0.77
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	11	0.77
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	11	0.77
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	15	0.77
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	15	0.77
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	15	0.77
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	15	0.77
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	15	0.77
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	15	0.77
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	18	0.77
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	18	0.77
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	18	0.77
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	18	0.77
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	18	0.77
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	18	0.77
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	18	0.77
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	18	0.77
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	18	0.77
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG11	19	0.77
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG12	19	0.77
(1,663)	1:82:A:VAL:HG11	1:113:A:VAL:HG13	19	0.77
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG11	19	0.77
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG12	19	0.77
(1,663)	1:82:A:VAL:HG12	1:113:A:VAL:HG13	19	0.77
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG11	19	0.77
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG12	19	0.77
(1,663)	1:82:A:VAL:HG13	1:113:A:VAL:HG13	19	0.77
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	4	0.77
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	4	0.77
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	4	0.77
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	4	0.77
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	4	0.77
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	4	0.77
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	4	0.77
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	4	0.77
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	4	0.77
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	7	0.77
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	7	0.77
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	7	0.77
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	7	0.77
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	7	0.77
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG11	19	0.77
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG12	19	0.77
(1,522)	1:113:A:VAL:HG11	1:82:A:VAL:HG13	19	0.77
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG11	19	0.77
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG12	19	0.77
(1,522)	1:113:A:VAL:HG12	1:82:A:VAL:HG13	19	0.77
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG11	19	0.77
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG12	19	0.77
(1,522)	1:113:A:VAL:HG13	1:82:A:VAL:HG13	19	0.77
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	4	0.77
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	4	0.77
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	4	0.77
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	4	0.77
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	4	0.77
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	4	0.77
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	4	0.77
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	4	0.77
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	4	0.77
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	6	0.77
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	6	0.77
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	6	0.77
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	6	0.77
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	6	0.77
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	6	0.77
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	18	0.77
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	18	0.77
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	18	0.77
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	18	0.77
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	18	0.77
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	18	0.77
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	18	0.77
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	18	0.77
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	18	0.77
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	10	0.77
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	10	0.77
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	10	0.77
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	10	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	10	0.77
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	10	0.77
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	20	0.77
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	20	0.77
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	20	0.77
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	20	0.77
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	20	0.77
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	20	0.77
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	18	0.77
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	18	0.77
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	18	0.77
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	10	0.76
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	10	0.76
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	10	0.76
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	10	0.76
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	10	0.76
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	10	0.76
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	13	0.76
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	13	0.76
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	13	0.76
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	13	0.76
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	13	0.76
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	13	0.76
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	5	0.76
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	5	0.76
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	5	0.76
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	18	0.76
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	18	0.76
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	18	0.76
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	18	0.76
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	18	0.76
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	18	0.76
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	8	0.76
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	8	0.76
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	8	0.76
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	20	0.76
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	20	0.76
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	20	0.76
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	20	0.76
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	20	0.76
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	20	0.76
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	19	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	19	0.76
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	19	0.76
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	19	0.76
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	19	0.76
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	19	0.76
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	19	0.76
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	19	0.76
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	19	0.76
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	12	0.76
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	12	0.76
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	12	0.76
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	12	0.76
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	12	0.76
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	12	0.76
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	12	0.76
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	12	0.76
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	12	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	2	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	2	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	2	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	2	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	2	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	2	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	4	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	4	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	4	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	4	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	4	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	4	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	11	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	11	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	11	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	11	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	11	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	11	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	18	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	18	0.76
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	18	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	18	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	18	0.76
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	18	0.76
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	19	0.75
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	19	0.75
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	13	0.75
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	13	0.75
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	13	0.75
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	6	0.75
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	6	0.75
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	6	0.75
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	6	0.75
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	6	0.75
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	6	0.75
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	3	0.75
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	3	0.75
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	3	0.75
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	10	0.75
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	10	0.75
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	10	0.75
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	13	0.75
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	13	0.75
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	13	0.75
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	13	0.75
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	13	0.75
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	13	0.75
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	1	0.75
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	1	0.75
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	1	0.75
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	1	0.75
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	1	0.75
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	1	0.75
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	2	0.75
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	2	0.75
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	2	0.75
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	2	0.75
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	2	0.75
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	2	0.75
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	13	0.75
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	13	0.75
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	13	0.75
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	1	0.75
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	1	0.75
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	1	0.75
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	1	0.75
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	1	0.75
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	2	0.75
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	2	0.75
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	2	0.75
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	2	0.75
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	2	0.75
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	2	0.75
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	1	0.75
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	1	0.75
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	1	0.75
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	1	0.75
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	1	0.75
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	1	0.75
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD21	15	0.75
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD22	15	0.75
(1,1751)	1:115:A:PHE:HE1	1:84:A:LEU:HD23	15	0.75
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD21	15	0.75
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD22	15	0.75
(1,1751)	1:115:A:PHE:HE2	1:84:A:LEU:HD23	15	0.75
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	10	0.75
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	10	0.75
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	10	0.75
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	1	0.75
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	1	0.75
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	1	0.75
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	14	0.75
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	14	0.75
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	14	0.75
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	4	0.75
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	4	0.75
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	4	0.75
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	3	0.75
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	3	0.75
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	3	0.75
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	3	0.75
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	3	0.75
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	3	0.75
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	3	0.75
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	3	0.75
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	3	0.75
(1,537)	1:48:A:VAL:H	1:48:A:VAL:HG21	15	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:48:A:VAL:H	1:48:A:VAL:HG22	15	0.75
(1,537)	1:48:A:VAL:H	1:48:A:VAL:HG23	15	0.75
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	9	0.75
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	9	0.75
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	9	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	3	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	3	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	3	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	3	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	3	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	3	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	8	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	8	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	8	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	8	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	8	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	8	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	16	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	16	0.75
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	16	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	16	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	16	0.75
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	16	0.75
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	1	0.75
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	1	0.75
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	1	0.75
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	10	0.75
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	10	0.75
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	10	0.75
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	10	0.75
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	10	0.75
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	10	0.75
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	13	0.75
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	13	0.75
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	13	0.75
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	13	0.75
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	13	0.75
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	13	0.75
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE1	18	0.74
(1,2653)	1:138:A:LEU:HD11	1:118:A:TYR:HE2	18	0.74
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE1	18	0.74
(1,2653)	1:138:A:LEU:HD12	1:118:A:TYR:HE2	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE1	18	0.74
(1,2653)	1:138:A:LEU:HD13	1:118:A:TYR:HE2	18	0.74
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	11	0.74
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	11	0.74
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	11	0.74
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	4	0.74
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	4	0.74
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	4	0.74
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	10	0.74
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	10	0.74
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	10	0.74
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	8	0.74
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	8	0.74
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	8	0.74
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	8	0.74
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	8	0.74
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	8	0.74
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	8	0.74
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	8	0.74
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	8	0.74
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	8	0.74
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	8	0.74
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	8	0.74
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	19	0.74
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	19	0.74
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	19	0.74
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	19	0.74
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	19	0.74
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	19	0.74
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	16	0.74
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	16	0.74
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	16	0.74
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	9	0.74
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	9	0.74
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	9	0.74
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	4	0.74
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	4	0.74
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	4	0.74
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	10	0.74
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	10	0.74
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	10	0.74
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	15	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	15	0.74
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	15	0.74
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	15	0.74
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	15	0.74
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	15	0.74
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	17	0.74
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	17	0.74
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	17	0.74
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	17	0.74
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	17	0.74
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	17	0.74
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	7	0.74
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	7	0.74
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	7	0.74
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	7	0.74
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	7	0.74
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	7	0.74
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	7	0.74
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	7	0.74
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	7	0.74
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	2	0.74
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	2	0.74
(1,549)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	2	0.74
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	2	0.74
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	2	0.74
(1,549)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	2	0.74
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG21	2	0.74
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG22	2	0.74
(1,545)	1:40:A:PRO:HD2	1:68:A:VAL:HG23	2	0.74
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG21	2	0.74
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG22	2	0.74
(1,545)	1:40:A:PRO:HD3	1:68:A:VAL:HG23	2	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	1	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	1	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	1	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	8	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	8	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	8	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	11	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	11	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	11	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	13	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	13	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	15	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	15	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	15	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	16	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	16	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	16	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	19	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	19	0.74
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	19	0.74
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	8	0.74
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	8	0.74
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	8	0.74
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	8	0.74
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	8	0.74
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	8	0.74
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	8	0.74
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	8	0.74
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	8	0.74
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	13	0.74
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	13	0.74
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	13	0.74
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	13	0.74
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	13	0.74
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	13	0.74
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	13	0.74
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	13	0.74
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	13	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	6	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	6	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	6	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	6	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	6	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	6	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	9	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	9	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	9	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	9	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	9	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	9	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	12	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	12	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	12	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	12	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	12	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	15	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	15	0.74
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	15	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	15	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	15	0.74
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	15	0.74
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	13	0.74
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	13	0.74
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	13	0.74
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	13	0.74
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	13	0.74
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	13	0.74
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	13	0.74
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	13	0.74
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	13	0.74
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	10	0.73
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	10	0.73
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	10	0.73
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	17	0.73
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	17	0.73
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	17	0.73
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	15	0.73
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	15	0.73
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	15	0.73
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	16	0.73
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	16	0.73
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	16	0.73
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	16	0.73
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	16	0.73
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	16	0.73
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	15	0.73
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	15	0.73
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	15	0.73
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	4	0.73
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	4	0.73
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	4	0.73
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	14	0.73
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	14	0.73
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	14	0.73
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	14	0.73
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	14	0.73
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	14	0.73
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	14	0.73
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	14	0.73
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	14	0.73
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	14	0.73
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	14	0.73
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	7	0.73
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	7	0.73
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	7	0.73
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	14	0.73
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	14	0.73
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	14	0.73
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	14	0.73
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	14	0.73
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	14	0.73
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	9	0.73
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	9	0.73
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	9	0.73
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	5	0.73
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	5	0.73
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	5	0.73
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	5	0.73
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	5	0.73
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	5	0.73
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	5	0.73
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	5	0.73
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	5	0.73
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG21	2	0.73
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG22	2	0.73
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG23	2	0.73
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	4	0.73
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	4	0.73
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	4	0.73
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	4	0.73
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	4	0.73
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	4	0.73
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	4	0.73
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	4	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	2	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	2	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	2	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	17	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	17	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	17	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	20	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	20	0.73
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	20	0.73
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD11	5	0.73
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD12	5	0.73
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD13	5	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD11	5	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD12	5	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD13	5	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD11	5	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD12	5	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD13	5	0.73
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD11	18	0.73
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD12	18	0.73
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD13	18	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD11	18	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD12	18	0.73
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD13	18	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD11	18	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD12	18	0.73
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD13	18	0.73
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	12	0.73
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	12	0.73
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	12	0.73
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	12	0.73
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	12	0.73
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	12	0.73
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	12	0.73
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	12	0.73
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	12	0.73
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	20	0.73
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	20	0.73
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	20	0.73
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	20	0.73
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	20	0.73
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	20	0.73
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	20	0.73
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	20	0.73
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	7	0.73
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	7	0.73
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	7	0.73
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	7	0.73
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	7	0.73
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	7	0.73
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	4	0.73
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	4	0.73
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	4	0.73
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	4	0.73
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	4	0.73
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	4	0.73
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	16	0.73
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	16	0.73
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	16	0.73
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	16	0.73
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	16	0.73
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	16	0.73
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	3	0.72
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	3	0.72
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	3	0.72
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	11	0.72
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	11	0.72
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	11	0.72
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	15	0.72
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	15	0.72
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	15	0.72
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	13	0.72
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	13	0.72
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	13	0.72
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	17	0.72
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	17	0.72
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	17	0.72
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	18	0.72
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	18	0.72
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	18	0.72
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	17	0.72
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	17	0.72
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	18	0.72
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	18	0.72
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	18	0.72
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	20	0.72
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	20	0.72
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	20	0.72
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	13	0.72
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	13	0.72
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	13	0.72
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	19	0.72
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	19	0.72
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	19	0.72
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG11	11	0.72
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG12	11	0.72
(1,1529)	1:1:A:MET:HG2	1:48:A:VAL:HG13	11	0.72
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG11	11	0.72
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG12	11	0.72
(1,1529)	1:1:A:MET:HG3	1:48:A:VAL:HG13	11	0.72
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	18	0.72
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	18	0.72
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	18	0.72
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	7	0.72
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	7	0.72
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	7	0.72
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD11	15	0.72
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD12	15	0.72
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD13	15	0.72
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD11	15	0.72
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD12	15	0.72
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD13	15	0.72
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	17	0.72
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	17	0.72
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	17	0.72
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG11	16	0.72
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG12	16	0.72
(1,675)	1:84:A:LEU:HD21	1:140:A:VAL:HG13	16	0.72
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG11	16	0.72
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG12	16	0.72
(1,675)	1:84:A:LEU:HD22	1:140:A:VAL:HG13	16	0.72
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG11	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG12	16	0.72
(1,675)	1:84:A:LEU:HD23	1:140:A:VAL:HG13	16	0.72
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	6	0.72
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	6	0.72
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	6	0.72
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	6	0.72
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	6	0.72
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	6	0.72
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	3	0.72
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	3	0.72
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	3	0.72
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	3	0.72
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	3	0.72
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	3	0.72
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	3	0.72
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	3	0.72
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	3	0.72
(1,3074)	1:113:A:VAL:HG21	1:79:A:GLY:H	17	0.71
(1,3074)	1:113:A:VAL:HG22	1:79:A:GLY:H	17	0.71
(1,3074)	1:113:A:VAL:HG23	1:79:A:GLY:H	17	0.71
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	4	0.71
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	4	0.71
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	4	0.71
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	17	0.71
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	17	0.71
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	17	0.71
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	17	0.71
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	17	0.71
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	17	0.71
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE2	17	0.71
(1,1063)	1:72:A:LEU:HD21	1:107:A:LYS:HE3	17	0.71
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE2	17	0.71
(1,1063)	1:72:A:LEU:HD22	1:107:A:LYS:HE3	17	0.71
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE2	17	0.71
(1,1063)	1:72:A:LEU:HD23	1:107:A:LYS:HE3	17	0.71
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	6	0.71
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	6	0.71
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	6	0.71
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	6	0.71
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	6	0.71
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	6	0.71
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	6	0.71
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	6	0.71
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	10	0.71
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	10	0.71
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	10	0.71
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	10	0.71
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	10	0.71
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	10	0.71
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	10	0.71
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	10	0.71
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	10	0.71
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG21	13	0.71
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG22	13	0.71
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG23	13	0.71
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG21	9	0.71
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG22	9	0.71
(1,561)	1:132:A:VAL:HG21	1:121:A:THR:HG23	9	0.71
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG21	9	0.71
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG22	9	0.71
(1,561)	1:132:A:VAL:HG22	1:121:A:THR:HG23	9	0.71
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG21	9	0.71
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG22	9	0.71
(1,561)	1:132:A:VAL:HG23	1:121:A:THR:HG23	9	0.71
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG21	16	0.71
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG22	16	0.71
(1,555)	1:71:A:GLN:HB2	1:68:A:VAL:HG23	16	0.71
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG21	16	0.71
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG22	16	0.71
(1,555)	1:71:A:GLN:HB3	1:68:A:VAL:HG23	16	0.71
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	19	0.71
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	19	0.71
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	19	0.71
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	19	0.71
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	19	0.71
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	19	0.71
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	19	0.71
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	19	0.71
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	19	0.71
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	6	0.71
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	6	0.71
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	6	0.71
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG21	9	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG22	9	0.71
(1,470)	1:121:A:THR:HG21	1:132:A:VAL:HG23	9	0.71
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG21	9	0.71
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG22	9	0.71
(1,470)	1:121:A:THR:HG22	1:132:A:VAL:HG23	9	0.71
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG21	9	0.71
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG22	9	0.71
(1,470)	1:121:A:THR:HG23	1:132:A:VAL:HG23	9	0.71
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	19	0.71
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	19	0.71
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	19	0.71
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	19	0.71
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	19	0.71
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	19	0.71
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	2	0.7
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	2	0.7
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	2	0.7
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	2	0.7
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	2	0.7
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	2	0.7
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	2	0.7
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	2	0.7
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	2	0.7
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	4	0.7
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	4	0.7
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	4	0.7
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	4	0.7
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	4	0.7
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	4	0.7
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	2	0.7
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	2	0.7
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	2	0.7
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	18	0.7
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	18	0.7
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	18	0.7
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	17	0.7
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	17	0.7
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	17	0.7
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	18	0.7
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	18	0.7
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	18	0.7
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	15	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	15	0.7
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	15	0.7
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	4	0.7
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	4	0.7
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	4	0.7
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	13	0.7
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	13	0.7
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	13	0.7
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	1	0.7
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	1	0.7
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	1	0.7
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	9	0.7
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	9	0.7
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	9	0.7
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	19	0.7
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	19	0.7
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	19	0.7
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	19	0.7
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	19	0.7
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	19	0.7
(1,1053)	1:77:A:LEU:HD11	1:75:A:LEU:HB2	17	0.7
(1,1053)	1:77:A:LEU:HD11	1:75:A:LEU:HB3	17	0.7
(1,1053)	1:77:A:LEU:HD12	1:75:A:LEU:HB2	17	0.7
(1,1053)	1:77:A:LEU:HD12	1:75:A:LEU:HB3	17	0.7
(1,1053)	1:77:A:LEU:HD13	1:75:A:LEU:HB2	17	0.7
(1,1053)	1:77:A:LEU:HD13	1:75:A:LEU:HB3	17	0.7
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	13	0.7
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	13	0.7
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	13	0.7
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	2	0.7
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	2	0.7
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	2	0.7
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	2	0.7
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	2	0.7
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	2	0.7
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	2	0.7
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	2	0.7
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	2	0.7
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	9	0.7
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	9	0.7
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	9	0.7
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	9	0.7
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	9	0.7
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	9	0.7
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	9	0.7
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	9	0.7
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG21	6	0.7
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG22	6	0.7
(1,526)	1:80:A:LYS:HG2	1:113:A:VAL:HG23	6	0.7
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG21	6	0.7
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG22	6	0.7
(1,526)	1:80:A:LYS:HG3	1:113:A:VAL:HG23	6	0.7
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	3	0.7
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	3	0.7
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	3	0.7
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	2	0.7
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	2	0.7
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	2	0.7
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	2	0.7
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	2	0.7
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	2	0.7
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	4	0.7
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	4	0.7
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	4	0.7
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	4	0.7
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	4	0.7
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	4	0.7
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	2	0.69
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	2	0.69
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	2	0.69
(1,3039)	1:77:A:LEU:HD11	1:76:A:ASN:H	1	0.69
(1,3039)	1:77:A:LEU:HD12	1:76:A:ASN:H	1	0.69
(1,3039)	1:77:A:LEU:HD13	1:76:A:ASN:H	1	0.69
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	14	0.69
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	14	0.69
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	14	0.69
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	14	0.69
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	14	0.69
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	14	0.69
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	4	0.69
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	4	0.69
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	4	0.69
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	12	0.69
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	12	0.69
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG11	19	0.69
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG12	19	0.69
(1,2325)	1:141:A:GLY:H	1:140:A:VAL:HG13	19	0.69
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	5	0.69
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	5	0.69
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	5	0.69
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	11	0.69
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	11	0.69
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	11	0.69
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	11	0.69
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	11	0.69
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	11	0.69
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	4	0.69
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	4	0.69
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	4	0.69
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	12	0.69
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	12	0.69
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	12	0.69
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	17	0.69
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	17	0.69
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	17	0.69
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	11	0.69
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	11	0.69
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	11	0.69
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	11	0.69
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	11	0.69
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	11	0.69
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	7	0.69
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	7	0.69
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	7	0.69
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	7	0.69
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	7	0.69
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	7	0.69
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	12	0.69
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	12	0.69
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	12	0.69
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	12	0.69
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	12	0.69
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	12	0.69
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	12	0.69
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	12	0.69
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	12	0.69
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	12	0.69
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	12	0.69
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD11	1	0.69
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD12	1	0.69
(1,1250)	1:76:A:ASN:H	1:77:A:LEU:HD13	1	0.69
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	8	0.69
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	8	0.69
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	8	0.69
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	8	0.69
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	8	0.69
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	8	0.69
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	14	0.69
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	14	0.69
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	14	0.69
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	14	0.69
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	14	0.69
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	14	0.69
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	7	0.69
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	7	0.69
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	7	0.69
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG21	4	0.69
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG22	4	0.69
(1,562)	1:140:A:VAL:H	1:140:A:VAL:HG23	4	0.69
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	1	0.69
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	1	0.69
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	1	0.69
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	1	0.69
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	1	0.69
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	1	0.69
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	1	0.69
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	1	0.69
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	1	0.69
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	13	0.69
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	13	0.69
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	13	0.69
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	13	0.69
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	13	0.69
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	13	0.69
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	5	0.69
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	5	0.69
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	18	0.69
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	18	0.69
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	18	0.69
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	13	0.69
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	13	0.69
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	13	0.69
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	13	0.69
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	13	0.69
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	13	0.69
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	13	0.69
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	13	0.69
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	13	0.69
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	4	0.69
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	4	0.69
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	4	0.69
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	4	0.69
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	4	0.69
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	4	0.69
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	10	0.68
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	10	0.68
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	10	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	9	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	9	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	9	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	18	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	18	0.68
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	18	0.68
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	1	0.68
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	1	0.68
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	1	0.68
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	1	0.68
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	1	0.68
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	1	0.68
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD11	5	0.68
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD12	5	0.68
(1,2310)	1:7:A:TYR:HA	1:5:A:LEU:HD13	5	0.68
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	5	0.68
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	5	0.68
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	5	0.68
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	5	0.68
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	5	0.68
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	12	0.68
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	12	0.68
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	12	0.68
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	12	0.68
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	12	0.68
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	12	0.68
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	9	0.68
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	9	0.68
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	9	0.68
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	18	0.68
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	18	0.68
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	18	0.68
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	3	0.68
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	3	0.68
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	3	0.68
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	3	0.68
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	3	0.68
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	3	0.68
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	6	0.68
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	6	0.68
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	6	0.68
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	13	0.68
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	13	0.68
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	13	0.68
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	19	0.68
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	19	0.68
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	19	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	2	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	2	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	2	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	6	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	6	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	6	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	13	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	13	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	13	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	19	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	19	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	19	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	20	0.68
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	20	0.68
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	17	0.68
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	17	0.68
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	17	0.68
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	17	0.68
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	17	0.68
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	17	0.68
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	17	0.68
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	17	0.68
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	17	0.68
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	5	0.68
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	5	0.68
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	5	0.68
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	5	0.68
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	5	0.68
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	5	0.68
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	5	0.68
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	5	0.68
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	5	0.68
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	4	0.68
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	4	0.68
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	4	0.68
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	7	0.68
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	7	0.68
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	7	0.68
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	15	0.68
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	15	0.68
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	15	0.68
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	15	0.68
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	15	0.68
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	15	0.68
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	15	0.68
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	15	0.68
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	15	0.68
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	7	0.68
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	7	0.68
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	7	0.68
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	7	0.68
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	7	0.68
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	7	0.68
(1,302)	1:142:A:LEU:HD21	1:157:A:ILE:HG12	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:142:A:LEU:HD21	1:157:A:ILE:HG13	18	0.68
(1,302)	1:142:A:LEU:HD22	1:157:A:ILE:HG12	18	0.68
(1,302)	1:142:A:LEU:HD22	1:157:A:ILE:HG13	18	0.68
(1,302)	1:142:A:LEU:HD23	1:157:A:ILE:HG12	18	0.68
(1,302)	1:142:A:LEU:HD23	1:157:A:ILE:HG13	18	0.68
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	5	0.68
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	5	0.68
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	5	0.68
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	5	0.68
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	5	0.68
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	5	0.68
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	12	0.68
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	12	0.68
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	12	0.68
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	12	0.68
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	12	0.68
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	12	0.68
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	1	0.67
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	1	0.67
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	1	0.67
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	12	0.67
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	12	0.67
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	12	0.67
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	5	0.67
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	5	0.67
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	5	0.67
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	8	0.67
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	8	0.67
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	8	0.67
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	8	0.67
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	8	0.67
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	8	0.67
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	9	0.67
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	9	0.67
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	9	0.67
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	9	0.67
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	9	0.67
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	9	0.67
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	10	0.67
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	10	0.67
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	10	0.67
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD11	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD12	6	0.67
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD13	6	0.67
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	8	0.67
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	8	0.67
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	8	0.67
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	8	0.67
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	8	0.67
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	8	0.67
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	9	0.67
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	9	0.67
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	9	0.67
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	9	0.67
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	9	0.67
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	9	0.67
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	5	0.67
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	5	0.67
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	5	0.67
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	3	0.67
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	3	0.67
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	3	0.67
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	2	0.67
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	2	0.67
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	2	0.67
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	17	0.67
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	17	0.67
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	17	0.67
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	15	0.67
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	15	0.67
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	15	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	3	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	3	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	3	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	8	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	8	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	8	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	18	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	18	0.67
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	18	0.67
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	1	0.67
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	1	0.67
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	1	0.67
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	1	0.67
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	1	0.67
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	10	0.67
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	10	0.67
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	10	0.67
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	10	0.67
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	10	0.67
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	10	0.67
(1,951)	1:116:A:VAL:HG11	1:164:A:ILE:HB	7	0.67
(1,951)	1:116:A:VAL:HG12	1:164:A:ILE:HB	7	0.67
(1,951)	1:116:A:VAL:HG13	1:164:A:ILE:HB	7	0.67
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	10	0.67
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	10	0.67
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	10	0.67
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD11	12	0.67
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD12	12	0.67
(1,510)	1:165:A:LEU:H	1:165:A:LEU:HD13	12	0.67
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	3	0.67
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	3	0.67
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	3	0.67
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	3	0.67
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	3	0.67
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	3	0.67
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	3	0.67
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	3	0.67
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	3	0.67
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD11	14	0.67
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD12	14	0.67
(1,460)	1:101:A:LEU:HD11	1:98:A:LEU:HD13	14	0.67
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD11	14	0.67
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD12	14	0.67
(1,460)	1:101:A:LEU:HD12	1:98:A:LEU:HD13	14	0.67
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD11	14	0.67
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD12	14	0.67
(1,460)	1:101:A:LEU:HD13	1:98:A:LEU:HD13	14	0.67
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	18	0.67
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	18	0.67
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	18	0.67
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	18	0.67
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	18	0.67
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	18	0.67
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	18	0.67
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	18	0.67
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	2	0.67
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	2	0.67
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	2	0.67
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	2	0.67
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	2	0.67
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	2	0.67
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	2	0.67
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	2	0.67
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	2	0.67
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	9	0.67
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	9	0.67
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	9	0.67
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	9	0.67
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	9	0.67
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	9	0.67
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	9	0.67
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	9	0.67
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	9	0.67
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	14	0.66
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	14	0.66
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	14	0.66
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	1	0.66
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	1	0.66
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	1	0.66
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	5	0.66
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	5	0.66
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	5	0.66
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	14	0.66
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	14	0.66
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	14	0.66
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	3	0.66
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	3	0.66
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	3	0.66
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	3	0.66
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	3	0.66
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	3	0.66
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	6	0.66
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	6	0.66
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	6	0.66
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	6	0.66
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	6	0.66
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	18	0.66
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	18	0.66
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	18	0.66
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	18	0.66
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	18	0.66
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	18	0.66
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	5	0.66
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	5	0.66
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	5	0.66
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	14	0.66
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	14	0.66
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	14	0.66
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	3	0.66
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	3	0.66
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	3	0.66
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	8	0.66
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	8	0.66
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	8	0.66
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	1	0.66
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	1	0.66
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	1	0.66
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	11	0.66
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	11	0.66
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	11	0.66
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	6	0.66
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	6	0.66
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	6	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	5	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	5	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	5	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	10	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	10	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	10	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	12	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	12	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	12	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	14	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	14	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	14	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	16	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	16	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	17	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	17	0.66
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	17	0.66
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	8	0.66
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	8	0.66
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	8	0.66
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	8	0.66
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	8	0.66
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	8	0.66
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	6	0.66
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	6	0.66
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	6	0.66
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	15	0.66
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	15	0.66
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	15	0.66
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	15	0.66
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	15	0.66
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	15	0.66
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	15	0.66
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	15	0.66
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	15	0.66
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	1	0.66
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	1	0.66
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	1	0.66
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	1	0.66
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	1	0.66
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	1	0.66
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	1	0.66
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	1	0.66
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	1	0.66
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	8	0.66
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	8	0.66
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	8	0.66
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	8	0.66
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	8	0.66
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	8	0.66
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	8	0.66
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	8	0.66
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	8	0.66
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	18	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	18	0.66
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	18	0.66
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	18	0.66
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	18	0.66
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	18	0.66
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	18	0.66
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	18	0.66
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	18	0.66
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	18	0.66
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	18	0.66
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	18	0.66
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	18	0.66
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	18	0.66
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	18	0.66
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	18	0.66
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	18	0.66
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	18	0.66
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	16	0.66
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	16	0.66
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	16	0.66
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	16	0.66
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	16	0.66
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	16	0.66
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	14	0.66
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	14	0.66
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	14	0.66
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	14	0.66
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	14	0.66
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	14	0.66
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	14	0.66
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	14	0.66
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	14	0.66
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	2	0.66
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	2	0.66
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	2	0.66
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	2	0.66
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	2	0.66
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	2	0.66
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	14	0.66
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	14	0.66
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	14	0.66
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	14	0.66
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	14	0.66
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	14	0.66
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	14	0.66
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	14	0.66
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	3	0.66
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	3	0.66
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	3	0.66
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	3	0.66
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	3	0.66
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	3	0.66
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	6	0.66
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	6	0.66
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	6	0.66
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	6	0.66
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	6	0.66
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	6	0.66
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	18	0.66
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	18	0.66
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	18	0.66
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	18	0.66
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	18	0.66
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	18	0.66
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	4	0.65
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	4	0.65
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	4	0.65
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	12	0.65
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	12	0.65
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	12	0.65
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	2	0.65
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	2	0.65
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	2	0.65
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	2	0.65
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	2	0.65
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	2	0.65
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	1	0.65
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	1	0.65
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	1	0.65
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	6	0.65
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	6	0.65
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	6	0.65
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	11	0.65
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	11	0.65
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	13	0.65
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	13	0.65
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	13	0.65
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	1	0.65
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	1	0.65
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	1	0.65
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	6	0.65
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	6	0.65
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	6	0.65
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	11	0.65
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	11	0.65
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	11	0.65
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	6	0.65
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	6	0.65
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	6	0.65
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	20	0.65
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	20	0.65
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	20	0.65
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	1	0.65
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	1	0.65
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	1	0.65
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	1	0.65
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	1	0.65
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	1	0.65
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	1	0.65
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	1	0.65
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	1	0.65
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	1	0.65
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	1	0.65
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	1	0.65
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	4	0.65
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	4	0.65
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	4	0.65
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	7	0.65
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	7	0.65
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	7	0.65
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	5	0.65
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	5	0.65
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	5	0.65
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	12	0.65
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	12	0.65
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	11	0.65
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	11	0.65
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	11	0.65
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	11	0.65
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	11	0.65
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	11	0.65
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	14	0.65
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	14	0.65
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	14	0.65
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	9	0.65
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	9	0.65
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	9	0.65
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	9	0.65
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	9	0.65
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	9	0.65
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	9	0.65
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	9	0.65
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	9	0.65
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	13	0.65
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	13	0.65
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	13	0.65
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	14	0.65
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	14	0.65
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	14	0.65
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	6	0.64
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	6	0.64
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	6	0.64
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	16	0.64
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	16	0.64
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	16	0.64
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG21	5	0.64
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG22	5	0.64
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG23	5	0.64
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	11	0.64
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	11	0.64
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	11	0.64
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	11	0.64
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	11	0.64
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	11	0.64
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD11	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD12	5	0.64
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD13	5	0.64
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	1	0.64
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	1	0.64
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	1	0.64
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	7	0.64
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	7	0.64
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	7	0.64
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	7	0.64
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	7	0.64
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	7	0.64
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	16	0.64
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	16	0.64
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	16	0.64
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	10	0.64
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	10	0.64
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	10	0.64
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	10	0.64
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	10	0.64
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	10	0.64
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	10	0.64
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	10	0.64
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	10	0.64
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	19	0.64
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	19	0.64
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	19	0.64
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	19	0.64
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	19	0.64
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	19	0.64
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	7	0.63
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	7	0.63
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	7	0.63
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	5	0.63
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	5	0.63
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	5	0.63
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	5	0.63
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	5	0.63
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	5	0.63
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	10	0.63
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	10	0.63
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	10	0.63
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	10	0.63
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	10	0.63
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	14	0.63
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	14	0.63
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	14	0.63
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	14	0.63
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	14	0.63
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	14	0.63
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	14	0.63
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	14	0.63
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	14	0.63
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	14	0.63
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	18	0.63
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	18	0.63
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	18	0.63
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	3	0.63
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	3	0.63
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	3	0.63
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	16	0.63
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	16	0.63
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	16	0.63
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	16	0.63
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	16	0.63
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	16	0.63
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	8	0.63
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	8	0.63
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	8	0.63
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	9	0.63
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	9	0.63
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	9	0.63
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	16	0.63
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	16	0.63
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	16	0.63
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	7	0.63
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	7	0.63
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	7	0.63
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	15	0.63
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	15	0.63
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	15	0.63
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG21	13	0.63
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG22	13	0.63
(1,1235)	1:111:A:LYS:HB2	1:113:A:VAL:HG23	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG21	13	0.63
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG22	13	0.63
(1,1235)	1:111:A:LYS:HB3	1:113:A:VAL:HG23	13	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	8	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	8	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	8	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	11	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	11	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	11	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	13	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	13	0.63
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	13	0.63
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	2	0.63
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	2	0.63
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	2	0.63
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	2	0.63
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	2	0.63
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	2	0.63
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	2	0.63
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	2	0.63
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	2	0.63
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	11	0.63
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	11	0.63
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	11	0.63
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	11	0.63
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	11	0.63
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	11	0.63
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	11	0.63
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	11	0.63
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	11	0.63
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	15	0.63
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	15	0.63
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	15	0.63
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	15	0.63
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	15	0.63
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	15	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD11	5	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD12	5	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD13	5	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD11	6	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD12	6	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD13	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD11	7	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD12	7	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD13	7	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD11	11	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD12	11	0.63
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD13	11	0.63
(1,380)	1:104:A:LEU:HG	1:51:A:LEU:HD21	6	0.63
(1,380)	1:104:A:LEU:HG	1:51:A:LEU:HD22	6	0.63
(1,380)	1:104:A:LEU:HG	1:51:A:LEU:HD23	6	0.63
(1,373)	1:51:A:LEU:HD21	1:104:A:LEU:HG	6	0.63
(1,373)	1:51:A:LEU:HD22	1:104:A:LEU:HG	6	0.63
(1,373)	1:51:A:LEU:HD23	1:104:A:LEU:HG	6	0.63
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	10	0.63
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	10	0.63
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	10	0.63
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	10	0.63
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	10	0.63
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	10	0.63
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	8	0.62
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	8	0.62
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	8	0.62
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	20	0.62
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	20	0.62
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	20	0.62
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	19	0.62
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	19	0.62
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	19	0.62
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	1	0.62
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	1	0.62
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	1	0.62
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	19	0.62
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	19	0.62
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	19	0.62
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	10	0.62
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	10	0.62
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	10	0.62
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	10	0.62
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	10	0.62
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	10	0.62
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	19	0.62
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	19	0.62
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	10	0.62
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	10	0.62
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	10	0.62
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	10	0.62
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	10	0.62
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	10	0.62
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	4	0.62
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	4	0.62
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	4	0.62
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	4	0.62
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	4	0.62
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	4	0.62
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	16	0.62
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	16	0.62
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	16	0.62
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	4	0.62
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	4	0.62
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	4	0.62
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	16	0.62
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	16	0.62
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	16	0.62
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	12	0.62
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	12	0.62
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	12	0.62
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD21	5	0.62
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD22	5	0.62
(1,1263)	1:111:A:LYS:HB2	1:77:A:LEU:HD23	5	0.62
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD21	5	0.62
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD22	5	0.62
(1,1263)	1:111:A:LYS:HB3	1:77:A:LEU:HD23	5	0.62
(1,1197)	1:142:A:LEU:HD21	1:144:A:LEU:HG	14	0.62
(1,1197)	1:142:A:LEU:HD22	1:144:A:LEU:HG	14	0.62
(1,1197)	1:142:A:LEU:HD23	1:144:A:LEU:HG	14	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	1	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	1	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	1	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	4	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	4	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	4	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	5	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	5	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	6	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	6	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	6	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	9	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	9	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	9	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	12	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	12	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	12	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	15	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	15	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	15	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	16	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	16	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	16	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	18	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	18	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	18	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	19	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	19	0.62
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	19	0.62
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	20	0.62
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	20	0.62
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	20	0.62
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	19	0.62
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	19	0.62
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	19	0.62
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	19	0.62
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	19	0.62
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	19	0.62
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	19	0.62
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	19	0.62
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	19	0.62
(1,3691)	1:142:A:LEU:HD11	1:119:A:TRP:HE1	18	0.61
(1,3691)	1:142:A:LEU:HD12	1:119:A:TRP:HE1	18	0.61
(1,3691)	1:142:A:LEU:HD13	1:119:A:TRP:HE1	18	0.61
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	4	0.61
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	4	0.61
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	4	0.61
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	12	0.61
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	12	0.61
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	12	0.61
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	12	0.61
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	12	0.61
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG21	14	0.61
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG22	14	0.61
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG23	14	0.61
(1,2086)	1:119:A:TRP:HE1	1:142:A:LEU:HD11	18	0.61
(1,2086)	1:119:A:TRP:HE1	1:142:A:LEU:HD12	18	0.61
(1,2086)	1:119:A:TRP:HE1	1:142:A:LEU:HD13	18	0.61
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	13	0.61
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	13	0.61
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	13	0.61
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	16	0.61
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	16	0.61
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	16	0.61
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	12	0.61
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	12	0.61
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	12	0.61
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	12	0.61
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	12	0.61
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	12	0.61
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	14	0.61
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	14	0.61
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	14	0.61
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	10	0.61
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	10	0.61
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	10	0.61
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	10	0.61
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	10	0.61
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	10	0.61
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	12	0.61
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	12	0.61
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	12	0.61
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	12	0.61
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	12	0.61
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	12	0.61
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	14	0.61
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	14	0.61
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	14	0.61
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	2	0.61
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	2	0.61
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD11	16	0.61
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD12	16	0.61
(1,1320)	1:37:A:ASP:H	1:35:A:LEU:HD13	16	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	2	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	2	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	2	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	7	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	7	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	7	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	17	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	17	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	17	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	20	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	20	0.61
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	20	0.61
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	18	0.61
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	18	0.61
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	18	0.61
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	18	0.61
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	18	0.61
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	18	0.61
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	18	0.61
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	18	0.61
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	18	0.61
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	13	0.61
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	13	0.61
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	13	0.61
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	13	0.61
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	13	0.61
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	13	0.61
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	11	0.6
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	11	0.6
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	11	0.6
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	16	0.6
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	16	0.6
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	16	0.6
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	20	0.6
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	20	0.6
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	20	0.6
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	2	0.6
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	2	0.6
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	6	0.6
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	6	0.6
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	6	0.6
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	19	0.6
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	19	0.6
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	19	0.6
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	18	0.6
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	18	0.6
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	18	0.6
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	19	0.6
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	19	0.6
(1,1954)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	19	0.6
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	19	0.6
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	19	0.6
(1,1954)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	19	0.6
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	4	0.6
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	4	0.6
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	4	0.6
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	4	0.6
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	4	0.6
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	4	0.6
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	7	0.6
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	7	0.6
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	7	0.6
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	5	0.6
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	5	0.6
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	5	0.6
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	5	0.6
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	11	0.6
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	11	0.6
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	11	0.6
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	11	0.6
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	11	0.6
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	11	0.6
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	12	0.6
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	12	0.6
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	12	0.6
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	4	0.6
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	4	0.6
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	4	0.6
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	4	0.6
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	4	0.6
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	10	0.6
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	10	0.6
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	10	0.6
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	19	0.6
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	19	0.6
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	19	0.6
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	7	0.6
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	7	0.6
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	7	0.6
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	15	0.6
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	15	0.6
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	15	0.6
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	3	0.6
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	3	0.6
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	3	0.6
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD21	10	0.6
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD22	10	0.6
(1,1194)	1:165:A:LEU:HA	1:165:A:LEU:HD23	10	0.6
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	16	0.6
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	16	0.6
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	16	0.6
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	16	0.6
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	16	0.6
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	16	0.6
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	20	0.6
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	20	0.6
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	20	0.6
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	20	0.6
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	20	0.6
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	20	0.6
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	3	0.6
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	3	0.6
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	3	0.6
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	10	0.6
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	10	0.6
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	10	0.6
(1,1053)	1:77:A:LEU:HD11	1:75:A:LEU:HB2	5	0.6
(1,1053)	1:77:A:LEU:HD11	1:75:A:LEU:HB3	5	0.6
(1,1053)	1:77:A:LEU:HD12	1:75:A:LEU:HB2	5	0.6
(1,1053)	1:77:A:LEU:HD12	1:75:A:LEU:HB3	5	0.6
(1,1053)	1:77:A:LEU:HD13	1:75:A:LEU:HB2	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1053)	1:77:A:LEU:HD13	1:75:A:LEU:HB3	5	0.6
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	17	0.6
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	17	0.6
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	17	0.6
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	17	0.6
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	17	0.6
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	17	0.6
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	17	0.6
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	17	0.6
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	17	0.6
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD11	18	0.6
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD12	18	0.6
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD13	18	0.6
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	17	0.6
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	17	0.6
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	17	0.6
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	17	0.6
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	17	0.6
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	17	0.6
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	17	0.6
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	17	0.6
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	17	0.6
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	16	0.59
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	16	0.59
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	16	0.59
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	10	0.59
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	10	0.59
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	10	0.59
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG11	14	0.59
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG12	14	0.59
(1,2326)	1:105:A:HIS:H	1:140:A:VAL:HG13	14	0.59
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	10	0.59
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	10	0.59
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	10	0.59
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	19	0.59
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	19	0.59
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	19	0.59
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	2	0.59
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	2	0.59
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	2	0.59
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	2	0.59
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	4	0.59
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	4	0.59
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	4	0.59
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	13	0.59
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	13	0.59
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	13	0.59
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	13	0.59
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	17	0.59
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	17	0.59
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	17	0.59
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD11	12	0.59
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD12	12	0.59
(1,1736)	1:44:A:GLU:H	1:75:A:LEU:HD13	12	0.59
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD21	17	0.59
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD22	17	0.59
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD23	17	0.59
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	19	0.59
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	19	0.59
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	19	0.59
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	17	0.59
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	17	0.59
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	17	0.59
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	3	0.59
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	3	0.59
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	3	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	3	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	3	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	3	0.59
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	9	0.59
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	9	0.59
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	9	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	9	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	9	0.59
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	9	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	1	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	1	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	1	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	8	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	8	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	8	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	16	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	16	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	18	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	18	0.59
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	18	0.59
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE1	5	0.59
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE2	5	0.59
(1,692)	1:48:A:VAL:HG21	1:168:A:MET:HE3	5	0.59
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE1	5	0.59
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE2	5	0.59
(1,692)	1:48:A:VAL:HG22	1:168:A:MET:HE3	5	0.59
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE1	5	0.59
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE2	5	0.59
(1,692)	1:48:A:VAL:HG23	1:168:A:MET:HE3	5	0.59
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	13	0.59
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	13	0.59
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	13	0.59
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	13	0.59
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	13	0.59
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	13	0.59
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	13	0.59
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	13	0.59
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	13	0.59
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	1	0.59
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	1	0.59
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	1	0.59
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	1	0.59
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	1	0.59
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	1	0.59
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	1	0.59
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	1	0.59
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	1	0.59
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	19	0.59
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	19	0.59
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	19	0.59
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	19	0.59
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	19	0.59
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	19	0.59
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	19	0.59
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	19	0.59
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	19	0.59
(1,3154)	1:84:A:LEU:HD21	1:105:A:HIS:H	1	0.58
(1,3154)	1:84:A:LEU:HD22	1:105:A:HIS:H	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3154)	1:84:A:LEU:HD23	1:105:A:HIS:H	1	0.58
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	2	0.58
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	2	0.58
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	2	0.58
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	8	0.58
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	8	0.58
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	8	0.58
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG11	14	0.58
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG12	14	0.58
(1,2321)	1:163:A:GLN:HE21	1:116:A:VAL:HG13	14	0.58
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG11	14	0.58
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG12	14	0.58
(1,2321)	1:163:A:GLN:HE22	1:116:A:VAL:HG13	14	0.58
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	14	0.58
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	14	0.58
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	14	0.58
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	9	0.58
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	9	0.58
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	9	0.58
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	10	0.58
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	10	0.58
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	10	0.58
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	7	0.58
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	7	0.58
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	7	0.58
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	15	0.58
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	15	0.58
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	15	0.58
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	15	0.58
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	19	0.58
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	19	0.58
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	19	0.58
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	19	0.58
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	9	0.58
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	9	0.58
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	9	0.58
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	9	0.58
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	9	0.58
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	9	0.58
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	2	0.58
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	2	0.58
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	16	0.58
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	16	0.58
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	16	0.58
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	8	0.58
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	8	0.58
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	8	0.58
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	8	0.58
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	8	0.58
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	8	0.58
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	20	0.58
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	20	0.58
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	20	0.58
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	20	0.58
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	20	0.58
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	20	0.58
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD21	13	0.58
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD22	13	0.58
(1,1744)	1:68:A:VAL:H	1:35:A:LEU:HD23	13	0.58
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	12	0.58
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	12	0.58
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	12	0.58
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	8	0.58
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	8	0.58
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	8	0.58
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	8	0.58
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	8	0.58
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	8	0.58
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD21	5	0.58
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD22	5	0.58
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD23	5	0.58
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD21	1	0.58
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD22	1	0.58
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD23	1	0.58
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	8	0.58
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	8	0.58
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	8	0.58
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	8	0.58
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	8	0.58
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	8	0.58
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	8	0.58
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	8	0.58
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	8	0.58
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	8	0.58
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	8	0.58
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG21	11	0.58
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG22	11	0.58
(1,1248)	1:49:A:LEU:H	1:48:A:VAL:HG23	11	0.58
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	4	0.58
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	4	0.58
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	4	0.58
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	4	0.58
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	4	0.58
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	4	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	6	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	6	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	6	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	11	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	11	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	11	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	15	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	15	0.58
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	15	0.58
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	7	0.58
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	7	0.58
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	7	0.58
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	7	0.58
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	7	0.58
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	7	0.58
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	7	0.58
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	7	0.58
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	7	0.58
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	20	0.58
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	20	0.58
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	20	0.58
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	20	0.58
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	20	0.58
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	20	0.58
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	12	0.57
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	12	0.57
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	12	0.57
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG11	7	0.57
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG12	7	0.57
(1,2581)	1:164:A:ILE:HA	1:116:A:VAL:HG13	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	15	0.57
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	15	0.57
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	15	0.57
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	15	0.57
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	15	0.57
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	15	0.57
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	19	0.57
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	19	0.57
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	19	0.57
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	19	0.57
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	19	0.57
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	19	0.57
(1,2189)	1:116:A:VAL:HG11	1:164:A:ILE:HA	7	0.57
(1,2189)	1:116:A:VAL:HG12	1:164:A:ILE:HA	7	0.57
(1,2189)	1:116:A:VAL:HG13	1:164:A:ILE:HA	7	0.57
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	8	0.57
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	8	0.57
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	8	0.57
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	14	0.57
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	14	0.57
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	14	0.57
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD11	7	0.57
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD12	7	0.57
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD13	7	0.57
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	15	0.57
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	15	0.57
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	15	0.57
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	15	0.57
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	15	0.57
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	15	0.57
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	19	0.57
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	19	0.57
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	19	0.57
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	19	0.57
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	19	0.57
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	19	0.57
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	11	0.57
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	11	0.57
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	11	0.57
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	11	0.57
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	12	0.57
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	12	0.57
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	12	0.57
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	12	0.57
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	12	0.57
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	7	0.57
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	7	0.57
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	7	0.57
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	12	0.57
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	12	0.57
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	12	0.57
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	20	0.57
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	20	0.57
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	20	0.57
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	8	0.57
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	8	0.57
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	8	0.57
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	1	0.57
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	1	0.57
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	1	0.57
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	4	0.57
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	4	0.57
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	4	0.57
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	19	0.57
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	19	0.57
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	19	0.57
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	7	0.57
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	7	0.57
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	7	0.57
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	7	0.57
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	7	0.57
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	7	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	5	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	5	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	5	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	14	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	14	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	14	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	17	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	17	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	17	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	19	0.57
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	19	0.57
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG21	14	0.57
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG22	14	0.57
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG23	14	0.57
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG21	14	0.57
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG22	14	0.57
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG23	14	0.57
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	15	0.57
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	15	0.57
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	15	0.57
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	15	0.57
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	15	0.57
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	15	0.57
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	15	0.57
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	15	0.57
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	15	0.57
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	9	0.56
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	9	0.56
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	9	0.56
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	18	0.56
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	18	0.56
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	18	0.56
(1,3227)	1:132:A:VAL:HG21	1:140:A:VAL:H	1	0.56
(1,3227)	1:132:A:VAL:HG22	1:140:A:VAL:H	1	0.56
(1,3227)	1:132:A:VAL:HG23	1:140:A:VAL:H	1	0.56
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	4	0.56
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	4	0.56
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	4	0.56
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	10	0.56
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	10	0.56
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	10	0.56
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	9	0.56
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	9	0.56
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	9	0.56
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	9	0.56
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	9	0.56
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	9	0.56
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD11	11	0.56
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD12	11	0.56
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD13	11	0.56
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	6	0.56
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	6	0.56
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	8	0.56
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	8	0.56
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	8	0.56
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	8	0.56
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	8	0.56
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	8	0.56
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	9	0.56
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	9	0.56
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	9	0.56
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	9	0.56
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	9	0.56
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	9	0.56
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	11	0.56
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	11	0.56
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	11	0.56
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	4	0.56
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	4	0.56
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	4	0.56
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	10	0.56
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	10	0.56
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	10	0.56
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	4	0.56
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	4	0.56
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	4	0.56
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD21	14	0.56
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD22	14	0.56
(1,1413)	1:77:A:LEU:HA	1:77:A:LEU:HD23	14	0.56
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	7	0.56
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	7	0.56
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	7	0.56
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	10	0.56
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	10	0.56
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	10	0.56
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	5	0.56
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	5	0.56
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	5	0.56
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	5	0.56
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	5	0.56
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	5	0.56
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	11	0.56
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	11	0.56
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	11	0.56
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	11	0.56
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	11	0.56
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	2	0.56
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	2	0.56
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	2	0.56
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	20	0.56
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	20	0.56
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	20	0.56
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD11	8	0.56
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD12	8	0.56
(1,502)	1:65:A:TRP:HH2	1:104:A:LEU:HD13	8	0.56
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	8	0.56
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	8	0.56
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	8	0.56
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	8	0.56
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	8	0.56
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	8	0.56
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	8	0.56
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	8	0.56
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	8	0.56
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	8	0.56
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	8	0.56
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	8	0.56
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	8	0.56
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	8	0.56
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	8	0.56
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	8	0.56
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	8	0.56
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	8	0.56
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	15	0.55
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	15	0.55
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	15	0.55
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	16	0.55
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	16	0.55
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	16	0.55
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	2	0.55
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	2	0.55
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	2	0.55
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	3	0.55
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	3	0.55
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	5	0.55
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	5	0.55
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	5	0.55
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	10	0.55
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	10	0.55
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	10	0.55
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG21	18	0.55
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG22	18	0.55
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG23	18	0.55
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	15	0.55
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	15	0.55
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	15	0.55
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	12	0.55
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	12	0.55
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	12	0.55
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	12	0.55
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	2	0.55
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	2	0.55
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	2	0.55
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	3	0.55
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	3	0.55
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	3	0.55
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	15	0.55
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	15	0.55
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	15	0.55
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	11	0.55
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	11	0.55
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	11	0.55
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD11	18	0.55
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD12	18	0.55
(1,1262)	1:155:A:GLU:HB2	1:152:A:LEU:HD13	18	0.55
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD11	18	0.55
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD12	18	0.55
(1,1262)	1:155:A:GLU:HB3	1:152:A:LEU:HD13	18	0.55
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG11	19	0.55
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG12	19	0.55
(1,1249)	1:49:A:LEU:H	1:82:A:VAL:HG13	19	0.55
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	12	0.55
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	12	0.55
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	12	0.55
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	19	0.55
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	19	0.55
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	19	0.55
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	19	0.55
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	19	0.55
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	7	0.55
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	7	0.55
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	7	0.55
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	9	0.55
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	9	0.55
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	9	0.55
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	3	0.55
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	3	0.55
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	3	0.55
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	15	0.55
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	15	0.55
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	15	0.55
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	3	0.55
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	3	0.55
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	3	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	3	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	3	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	3	0.55
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	11	0.55
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	11	0.55
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	11	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	11	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	11	0.55
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	11	0.55
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	3	0.55
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	3	0.55
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	3	0.55
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	3	0.55
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	3	0.55
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	3	0.55
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	3	0.55
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	3	0.55
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	3	0.55
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	18	0.55
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	18	0.55
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	18	0.55
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	18	0.55
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	18	0.55
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	20	0.54
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	20	0.54
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	20	0.54
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	13	0.54
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	13	0.54
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	13	0.54
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	11	0.54
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	11	0.54
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	11	0.54
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG11	18	0.54
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG12	18	0.54
(1,2313)	1:105:A:HIS:HA	1:140:A:VAL:HG13	18	0.54
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	5	0.54
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	5	0.54
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	5	0.54
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	18	0.54
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	18	0.54
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	18	0.54
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	9	0.54
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	9	0.54
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	9	0.54
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	2	0.54
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	2	0.54
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	2	0.54
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	13	0.54
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	13	0.54
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	13	0.54
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	11	0.54
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	11	0.54
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	11	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	1	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	1	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	1	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	5	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	5	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	5	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	8	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	8	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	8	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	9	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	9	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	11	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	11	0.54
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	11	0.54
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	13	0.54
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	13	0.54
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	13	0.54
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	6	0.54
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	6	0.54
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	6	0.54
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	6	0.54
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	6	0.54
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	6	0.54
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	12	0.54
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	12	0.54
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	12	0.54
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	12	0.54
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	12	0.54
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	12	0.54
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	4	0.54
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	4	0.54
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	4	0.54
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	13	0.54
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	13	0.54
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	13	0.54
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	11	0.54
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	11	0.54
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	11	0.54
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD21	1	0.54
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD22	1	0.54
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD23	1	0.54
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD21	1	0.54
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD22	1	0.54
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD23	1	0.54
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	13	0.54
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	13	0.54
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	13	0.54
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	13	0.54
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	13	0.54
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	13	0.54
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	13	0.54
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	13	0.54
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	8	0.54
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	8	0.54
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	8	0.54
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	8	0.54
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	8	0.54
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	8	0.54
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	9	0.54
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	9	0.54
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	9	0.54
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	9	0.54
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	9	0.54
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	9	0.54
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	1	0.54
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	1	0.54
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	1	0.54
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	1	0.54
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	1	0.54
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	1	0.54
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	9	0.53
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	9	0.53
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	9	0.53
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	18	0.53
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	18	0.53
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	18	0.53
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	19	0.53
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	19	0.53
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	19	0.53
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	19	0.53
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	19	0.53
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	19	0.53
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	16	0.53
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	16	0.53
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	16	0.53
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	16	0.53
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	16	0.53
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	16	0.53
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	20	0.53
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	20	0.53
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	20	0.53
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	9	0.53
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	9	0.53
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	18	0.53
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	18	0.53
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	18	0.53
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	13	0.53
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	13	0.53
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	13	0.53
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	10	0.53
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	10	0.53
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	10	0.53
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	15	0.53
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	15	0.53
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	15	0.53
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD11	12	0.53
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD12	12	0.53
(1,1187)	1:29:A:LEU:H	1:29:A:LEU:HD13	12	0.53
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	13	0.53
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	13	0.53
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	13	0.53
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	15	0.53
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	15	0.53
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	15	0.53
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	15	0.53
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	15	0.53
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	15	0.53
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	15	0.53
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	15	0.53
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	15	0.53
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	19	0.53
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	19	0.53
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	19	0.53
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	19	0.53
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	19	0.53
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	19	0.53
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	19	0.53
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	19	0.53
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	19	0.53
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	12	0.53
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	12	0.53
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	12	0.53
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	12	0.53
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	12	0.53
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	12	0.53
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	12	0.53
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	12	0.53
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	18	0.53
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	18	0.53
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	18	0.53
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	18	0.53
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	18	0.53
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	18	0.53
(1,3083)	1:48:A:VAL:HG21	1:81:A:ILE:H	15	0.52
(1,3083)	1:48:A:VAL:HG22	1:81:A:ILE:H	15	0.52
(1,3083)	1:48:A:VAL:HG23	1:81:A:ILE:H	15	0.52
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	18	0.52
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	18	0.52
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	18	0.52
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	11	0.52
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	11	0.52
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	11	0.52
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	11	0.52
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	11	0.52
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	11	0.52
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD11	19	0.52
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD12	19	0.52
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD13	19	0.52
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD11	19	0.52
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD12	19	0.52
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD13	19	0.52
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD11	19	0.52
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD12	19	0.52
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD13	19	0.52
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	4	0.52
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	4	0.52
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	4	0.52
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	8	0.52
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	8	0.52
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	8	0.52
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	11	0.52
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	11	0.52
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	11	0.52
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	16	0.52
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	16	0.52
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	16	0.52
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	16	0.52
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	16	0.52
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	16	0.52
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	16	0.52
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	16	0.52
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	16	0.52
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	16	0.52
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	16	0.52
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	5	0.52
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	5	0.52
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	5	0.52
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	12	0.52
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	12	0.52
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	12	0.52
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	2	0.52
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	2	0.52
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	2	0.52
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	3	0.52
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	3	0.52
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	3	0.52
(1,1240)	1:81:A:ILE:H	1:48:A:VAL:HG21	15	0.52
(1,1240)	1:81:A:ILE:H	1:48:A:VAL:HG22	15	0.52
(1,1240)	1:81:A:ILE:H	1:48:A:VAL:HG23	15	0.52
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	19	0.52
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	19	0.52
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	19	0.52
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	19	0.52
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	19	0.52
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	19	0.52
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	19	0.52
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	19	0.52
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	19	0.52
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	19	0.52
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	19	0.52
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	19	0.52
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	7	0.52
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	7	0.52
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	7	0.52
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	7	0.52
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	7	0.52
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	15	0.52
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	15	0.52
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	15	0.52
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	15	0.52
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	15	0.52
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	15	0.52
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	15	0.52
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	15	0.52
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	15	0.52
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	15	0.52
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	15	0.52
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	15	0.52
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	15	0.52
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	15	0.52
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	15	0.52
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	15	0.52
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	15	0.52
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	15	0.52
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	12	0.52
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	12	0.52
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	12	0.52
(1,3053)	1:76:A:ASN:HA	1:77:A:LEU:H	1	0.51
(1,3018)	1:75:A:LEU:HD11	1:74:A:ASP:H	15	0.51
(1,3018)	1:75:A:LEU:HD12	1:74:A:ASP:H	15	0.51
(1,3018)	1:75:A:LEU:HD13	1:74:A:ASP:H	15	0.51
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	13	0.51
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	13	0.51
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	13	0.51
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	13	0.51
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	13	0.51
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	13	0.51
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	15	0.51
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	15	0.51
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	15	0.51
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	15	0.51
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	15	0.51
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	15	0.51
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	12	0.51
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	12	0.51
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	1	0.51
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	1	0.51
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	1	0.51
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	16	0.51
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	16	0.51
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	16	0.51
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	16	0.51
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	16	0.51
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	16	0.51
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD11	5	0.51
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD12	5	0.51
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD13	5	0.51
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD11	5	0.51
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD12	5	0.51
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD13	5	0.51
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD11	14	0.51
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD12	14	0.51
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD13	14	0.51
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD11	14	0.51
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD12	14	0.51
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD13	14	0.51
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	11	0.51
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	11	0.51
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	11	0.51
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	3	0.51
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	3	0.51
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	3	0.51
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	1	0.51
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	1	0.51
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	1	0.51
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	6	0.51
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	6	0.51
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	6	0.51
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	16	0.51
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	16	0.51
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	16	0.51
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	16	0.51
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	16	0.51
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	16	0.51
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	2	0.51
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	2	0.51
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	2	0.51
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	2	0.51
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	2	0.51
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	15	0.51
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	15	0.51
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	15	0.51
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD11	15	0.51
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD12	15	0.51
(1,1737)	1:74:A:ASP:H	1:75:A:LEU:HD13	15	0.51
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	5	0.51
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	5	0.51
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	5	0.51
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	11	0.51
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	11	0.51
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	11	0.51
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	3	0.51
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	3	0.51
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	3	0.51
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	18	0.51
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	18	0.51
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	18	0.51
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	18	0.51
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	18	0.51
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	18	0.51
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	11	0.51
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	11	0.51
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	11	0.51
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	11	0.51
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	11	0.51
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	11	0.51
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	11	0.51
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	11	0.51
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	11	0.51
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	20	0.51
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	20	0.51
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	20	0.51
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	20	0.51
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	20	0.51
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	20	0.51
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	20	0.51
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	20	0.51
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	4	0.51
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	4	0.51
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	4	0.51
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	4	0.51
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	4	0.51
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	4	0.51
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	6	0.51
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	6	0.51
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	6	0.51
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	6	0.51
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	6	0.51
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	6	0.51
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	11	0.51
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	11	0.51
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	11	0.51
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	11	0.51
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	11	0.51
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	11	0.51
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	11	0.51
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	11	0.51
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	11	0.51
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	20	0.51
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	20	0.51
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	20	0.51
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	20	0.51
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	20	0.51
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	20	0.51
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	20	0.51
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	20	0.51
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	20	0.51
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	14	0.51
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	14	0.51
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	14	0.51
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	5	0.51
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	5	0.51
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	5	0.51
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	14	0.51
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	14	0.51
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	14	0.51
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	17	0.5
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	17	0.5
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2271)	1:104:A:LEU:HD11	1:107:A:LYS:HB2	1	0.5
(1,2271)	1:104:A:LEU:HD11	1:107:A:LYS:HB3	1	0.5
(1,2271)	1:104:A:LEU:HD12	1:107:A:LYS:HB2	1	0.5
(1,2271)	1:104:A:LEU:HD12	1:107:A:LYS:HB3	1	0.5
(1,2271)	1:104:A:LEU:HD13	1:107:A:LYS:HB2	1	0.5
(1,2271)	1:104:A:LEU:HD13	1:107:A:LYS:HB3	1	0.5
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	17	0.5
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	17	0.5
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	17	0.5
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	17	0.5
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	17	0.5
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	17	0.5
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	5	0.5
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	5	0.5
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	5	0.5
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	6	0.5
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	6	0.5
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	6	0.5
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	6	0.5
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	6	0.5
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	6	0.5
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	6	0.5
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	6	0.5
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	6	0.5
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	6	0.5
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	6	0.5
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	6	0.5
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	9	0.5
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	9	0.5
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	9	0.5
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	18	0.5
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	18	0.5
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	18	0.5
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	18	0.5
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	18	0.5
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	18	0.5
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	17	0.5
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	17	0.5
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	17	0.5
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	9	0.5
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	9	0.5
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	9	0.5
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	9	0.5
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	9	0.5
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	9	0.5
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	9	0.5
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	9	0.5
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	1	0.5
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	1	0.5
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	1	0.5
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	1	0.5
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	1	0.5
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	1	0.5
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	1	0.5
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	1	0.5
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	1	0.5
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	8	0.5
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	8	0.5
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	8	0.5
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	8	0.5
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	8	0.5
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	8	0.5
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	11	0.5
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	11	0.5
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	11	0.5
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	11	0.5
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	11	0.5
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	11	0.5
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	2	0.5
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	2	0.5
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	2	0.5
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	2	0.5
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	2	0.5
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	2	0.5
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	20	0.5
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	20	0.5
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	20	0.5
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	20	0.5
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	20	0.5
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	20	0.5
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	5	0.5
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	5	0.5
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	18	0.5
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	18	0.5
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	18	0.5
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	9	0.49
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	9	0.49
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	9	0.49
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	13	0.49
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	13	0.49
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	13	0.49
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	3	0.49
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	3	0.49
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	3	0.49
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	2	0.49
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	2	0.49
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	2	0.49
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	3	0.49
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	3	0.49
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	3	0.49
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	2	0.49
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	2	0.49
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	2	0.49
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	5	0.49
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	5	0.49
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	5	0.49
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG12	16	0.49
(1,1868)	1:137:A:GLN:HG2	1:133:A:ILE:HG13	16	0.49
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG12	16	0.49
(1,1868)	1:137:A:GLN:HG3	1:133:A:ILE:HG13	16	0.49
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	17	0.49
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	17	0.49
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	17	0.49
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	16	0.49
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	16	0.49
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	16	0.49
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	16	0.49
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	16	0.49
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	16	0.49
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	2	0.49
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	2	0.49
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	2	0.49
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	3	0.49
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	3	0.49
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	9	0.49
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	9	0.49
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	9	0.49
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	19	0.49
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	19	0.49
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	19	0.49
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	2	0.49
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	2	0.49
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	2	0.49
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	2	0.49
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	2	0.49
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	2	0.49
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	1	0.49
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	1	0.49
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	1	0.49
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	3	0.49
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	3	0.49
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	3	0.49
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	2	0.49
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	2	0.49
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	2	0.49
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	12	0.49
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	12	0.49
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	12	0.49
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD11	14	0.49
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD12	14	0.49
(1,749)	1:138:A:LEU:HD11	1:133:A:ILE:HD13	14	0.49
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD11	14	0.49
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD12	14	0.49
(1,749)	1:138:A:LEU:HD12	1:133:A:ILE:HD13	14	0.49
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD11	14	0.49
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD12	14	0.49
(1,749)	1:138:A:LEU:HD13	1:133:A:ILE:HD13	14	0.49
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	5	0.49
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	5	0.49
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	5	0.49
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	5	0.49
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	5	0.49
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	5	0.49
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	5	0.49
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	5	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	1	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	1	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	1	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	1	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	1	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	1	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	9	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	9	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	9	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	9	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	9	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	9	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	12	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	12	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	12	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	12	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	12	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	12	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	18	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	18	0.49
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	18	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	18	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	18	0.49
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	18	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	3	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	3	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	3	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	4	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	4	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	4	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	8	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	8	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	8	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	12	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	12	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	12	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	13	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	13	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	13	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	15	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	15	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	16	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	16	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	16	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	17	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	17	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	17	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	18	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	18	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	18	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	20	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	20	0.49
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	20	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	3	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	3	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	3	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	4	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	4	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	4	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	8	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	8	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	8	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	12	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	12	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	12	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	13	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	13	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	13	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	15	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	15	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	15	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	16	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	16	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	16	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	17	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	17	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	17	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	18	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	18	0.49
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	18	0.49
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	20	0.49
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	20	0.49
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	7	0.49
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	7	0.49
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	7	0.49
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	13	0.49
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	13	0.49
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	13	0.49
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	3	0.48
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	3	0.48
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	3	0.48
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	19	0.48
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	19	0.48
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	19	0.48
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	11	0.48
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	11	0.48
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	11	0.48
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	19	0.48
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	19	0.48
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	19	0.48
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	7	0.48
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	7	0.48
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	7	0.48
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	7	0.48
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	7	0.48
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	7	0.48
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	18	0.48
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	18	0.48
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	18	0.48
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	2	0.48
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	2	0.48
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	2	0.48
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	2	0.48
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	2	0.48
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	2	0.48
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	2	0.48
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	2	0.48
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	2	0.48
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	2	0.48
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	2	0.48
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	2	0.48
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	19	0.48
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	19	0.48
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	11	0.48
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	11	0.48
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	11	0.48
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	11	0.48
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	11	0.48
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	11	0.48
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	11	0.48
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	11	0.48
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	11	0.48
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	5	0.48
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	5	0.48
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	5	0.48
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	5	0.48
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	5	0.48
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	5	0.48
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	5	0.48
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	5	0.48
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	5	0.48
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	16	0.48
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	16	0.48
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	16	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	16	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	16	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	16	0.48
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	19	0.48
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	19	0.48
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	19	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	19	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	19	0.48
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	19	0.48
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	2	0.48
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	2	0.48
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	2	0.48
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	2	0.48
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	2	0.48
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	2	0.48
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	19	0.48
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	19	0.48
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	19	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	1	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	1	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	2	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	2	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	2	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	5	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	5	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	5	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	6	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	6	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	6	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	10	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	10	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	10	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	11	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	11	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	11	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	14	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	14	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	14	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	19	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	19	0.48
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	19	0.48
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	16	0.48
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	16	0.48
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	16	0.48
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	16	0.48
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	16	0.48
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	16	0.48
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	16	0.48
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	16	0.48
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	16	0.48
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	4	0.48
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	4	0.48
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	4	0.48
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	4	0.48
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	4	0.48
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	4	0.48
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	4	0.48
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	4	0.48
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	4	0.48
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	6	0.48
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	6	0.48
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	6	0.48
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	6	0.48
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	6	0.48
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	6	0.48
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	6	0.48
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	6	0.48
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	19	0.48
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	19	0.48
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	19	0.48
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	19	0.48
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	19	0.48
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	19	0.48
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	19	0.48
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	19	0.48
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	19	0.48
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	19	0.48
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	19	0.48
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	19	0.48
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	19	0.48
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	19	0.48
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	19	0.48
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	19	0.48
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	19	0.48
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	19	0.48
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	7	0.48
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	7	0.48
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	7	0.48
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	7	0.48
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	7	0.48
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	7	0.48
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	1	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	1	0.48
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	1	0.48
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	2	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	2	0.48
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	2	0.48
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	5	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	5	0.48
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	5	0.48
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	6	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	6	0.48
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	10	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	10	0.48
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	10	0.48
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	11	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	11	0.48
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	11	0.48
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	14	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	14	0.48
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	14	0.48
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	19	0.48
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	19	0.48
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	19	0.48
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	2	0.48
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	2	0.48
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	2	0.48
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	11	0.48
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	11	0.48
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	11	0.48
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	14	0.48
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	14	0.48
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	14	0.48
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	15	0.48
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	15	0.48
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	15	0.48
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	20	0.48
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	20	0.48
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	20	0.48
(1,3153)	1:84:A:LEU:HD21	1:106:A:ASP:H	7	0.47
(1,3153)	1:84:A:LEU:HD22	1:106:A:ASP:H	7	0.47
(1,3153)	1:84:A:LEU:HD23	1:106:A:ASP:H	7	0.47
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	12	0.47
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	12	0.47
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	12	0.47
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	18	0.47
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	18	0.47
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	18	0.47
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	13	0.47
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	13	0.47
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	13	0.47
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	13	0.47
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	13	0.47
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	9	0.47
(1,2288)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	9	0.47
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	9	0.47
(1,2288)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	9	0.47
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	9	0.47
(1,2288)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	9	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	2	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	2	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	2	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	7	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	7	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	7	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	9	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	9	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	9	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	16	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	16	0.47
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	16	0.47
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	3	0.47
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	3	0.47
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	3	0.47
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	14	0.47
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	14	0.47
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	14	0.47
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	13	0.47
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	13	0.47
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	13	0.47
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	13	0.47
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	13	0.47
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	13	0.47
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	13	0.47
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	13	0.47
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	13	0.47
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	5	0.47
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	5	0.47
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	5	0.47
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	2	0.47
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	2	0.47
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	2	0.47
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	20	0.47
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	20	0.47
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	13	0.47
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	13	0.47
(1,1188)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	13	0.47
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	13	0.47
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	13	0.47
(1,1188)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	13	0.47
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	7	0.47
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	7	0.47
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	7	0.47
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	8	0.47
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	8	0.47
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	8	0.47
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	8	0.47
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	8	0.47
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	8	0.47
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	8	0.47
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	8	0.47
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	8	0.47
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	8	0.47
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	8	0.47
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	8	0.47
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	9	0.47
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	9	0.47
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	9	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	4	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	4	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	4	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	4	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	4	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	4	0.47
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	4	0.47
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	4	0.47
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	4	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	6	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	6	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	6	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	6	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	6	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	6	0.47
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	6	0.47
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	6	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	12	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	12	0.47
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	12	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	12	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	12	0.47
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	12	0.47
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	12	0.47
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	12	0.47
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	12	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	2	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	2	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	2	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	2	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	2	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	2	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	3	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	3	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	3	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	3	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	3	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	3	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	17	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	17	0.47
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	17	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	17	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	17	0.47
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	17	0.47
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	8	0.47
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	8	0.47
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	8	0.47
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	8	0.47
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	8	0.47
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	8	0.47
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	12	0.47
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	12	0.47
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	12	0.47
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	18	0.47
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	18	0.47
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	18	0.47
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	7	0.47
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	7	0.47
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG21	9	0.47
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG22	9	0.47
(1,494)	1:116:A:VAL:HA	1:116:A:VAL:HG23	9	0.47
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	13	0.47
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	13	0.47
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	13	0.47
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	13	0.47
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	13	0.47
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	13	0.47
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	13	0.47
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	13	0.47
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	13	0.47
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	13	0.47
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	13	0.47
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	13	0.47
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB2	9	0.47
(1,294)	1:116:A:VAL:HG21	1:167:A:GLU:HB3	9	0.47
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB2	9	0.47
(1,294)	1:116:A:VAL:HG22	1:167:A:GLU:HB3	9	0.47
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB2	9	0.47
(1,294)	1:116:A:VAL:HG23	1:167:A:GLU:HB3	9	0.47
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	7	0.47
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	7	0.47
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	7	0.47
(1,80)	1:116:A:VAL:HG21	1:116:A:VAL:HA	9	0.47
(1,80)	1:116:A:VAL:HG22	1:116:A:VAL:HA	9	0.47
(1,80)	1:116:A:VAL:HG23	1:116:A:VAL:HA	9	0.47
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	3	0.47
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	3	0.47
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	3	0.47
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	4	0.47
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	4	0.47
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	4	0.47
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	9	0.47
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	9	0.47
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	9	0.47
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	12	0.47
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	12	0.47
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	12	0.47
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	19	0.47
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	19	0.47
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	1	0.46
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	1	0.46
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	1	0.46
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	4	0.46
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	4	0.46
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	4	0.46
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	16	0.46
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	16	0.46
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	16	0.46
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	17	0.46
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	17	0.46
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	17	0.46
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	6	0.46
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	6	0.46
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	6	0.46
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	8	0.46
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	8	0.46
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	8	0.46
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	5	0.46
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	5	0.46
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	5	0.46
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	1	0.46
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	1	0.46
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	1	0.46
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	20	0.46
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	20	0.46
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	20	0.46
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	20	0.46
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	20	0.46
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	20	0.46
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	17	0.46
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	17	0.46
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	17	0.46
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	19	0.46
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	19	0.46
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	19	0.46
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	3	0.46
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	3	0.46
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	3	0.46
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	5	0.46
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	5	0.46
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	10	0.46
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	10	0.46
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	10	0.46
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	13	0.46
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	13	0.46
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	13	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	1	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	1	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	1	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	4	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	4	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	4	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	8	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	8	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	8	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	12	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	12	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	12	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	13	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	13	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	13	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	16	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	16	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	16	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	19	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	19	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	19	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	20	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	20	0.46
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	20	0.46
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	11	0.46
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	11	0.46
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	11	0.46
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	11	0.46
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	11	0.46
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	11	0.46
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	11	0.46
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	11	0.46
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	11	0.46
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	11	0.46
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	11	0.46
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD21	10	0.46
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD22	10	0.46
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD23	10	0.46
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	1	0.46
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	1	0.46
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	1	0.46
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	1	0.46
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	1	0.46
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	1	0.46
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	1	0.46
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	1	0.46
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	1	0.46
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	13	0.46
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	13	0.46
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	13	0.46
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	13	0.46
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	13	0.46
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	13	0.46
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	13	0.46
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	13	0.46
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	13	0.46
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	8	0.46
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	8	0.46
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	8	0.46
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	8	0.46
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	8	0.46
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	8	0.46
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	8	0.46
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	8	0.46
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	8	0.46
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	18	0.46
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	18	0.46
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	18	0.46
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	18	0.46
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	18	0.46
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	18	0.46
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	18	0.46
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	18	0.46
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	18	0.46
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	5	0.46
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	5	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	5	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	5	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	5	0.46
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	10	0.46
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	10	0.46
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	10	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	10	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	10	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	10	0.46
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	14	0.46
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	14	0.46
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	14	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	14	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	14	0.46
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	14	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	1	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	1	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	1	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	4	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	4	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	4	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	10	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	10	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	10	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	13	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	13	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	13	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	14	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	14	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	14	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	20	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	20	0.46
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	20	0.46
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	11	0.46
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	11	0.46
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	11	0.46
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	11	0.46
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	11	0.46
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	11	0.46
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	4	0.46
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	4	0.46
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	16	0.46
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	16	0.46
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	16	0.46
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	17	0.46
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	17	0.46
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	17	0.46
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD11	12	0.46
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD12	12	0.46
(1,492)	1:44:A:GLU:HG2	1:75:A:LEU:HD13	12	0.46
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD11	12	0.46
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD12	12	0.46
(1,492)	1:44:A:GLU:HG3	1:75:A:LEU:HD13	12	0.46
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	1	0.46
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	1	0.46
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	1	0.46
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	1	0.46
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	1	0.46
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	1	0.46
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	1	0.46
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	1	0.46
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	1	0.46
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG21	16	0.46
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG22	16	0.46
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG23	16	0.46
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	1	0.46
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	1	0.46
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	1	0.46
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	4	0.46
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	4	0.46
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	4	0.46
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	8	0.46
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	8	0.46
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	8	0.46
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	12	0.46
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	12	0.46
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	12	0.46
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	13	0.46
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	13	0.46
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	13	0.46
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	16	0.46
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	16	0.46
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	19	0.46
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	19	0.46
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	19	0.46
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	20	0.46
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	20	0.46
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	20	0.46
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	17	0.46
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	17	0.46
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	17	0.46
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	9	0.45
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	9	0.45
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	9	0.45
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	11	0.45
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	11	0.45
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	11	0.45
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	15	0.45
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	15	0.45
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	15	0.45
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	3	0.45
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	3	0.45
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	3	0.45
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	12	0.45
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	12	0.45
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	12	0.45
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	5	0.45
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	5	0.45
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	5	0.45
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	5	0.45
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	5	0.45
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	5	0.45
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	13	0.45
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	13	0.45
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	13	0.45
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	10	0.45
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	10	0.45
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	10	0.45
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	9	0.45
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	9	0.45
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	9	0.45
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	10	0.45
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	10	0.45
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	14	0.45
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	14	0.45
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	14	0.45
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	14	0.45
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	14	0.45
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	14	0.45
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	6	0.45
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	6	0.45
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	6	0.45
(1,1565)	1:88:A:GLY:H	1:87:A:LEU:HD11	20	0.45
(1,1565)	1:88:A:GLY:H	1:87:A:LEU:HD12	20	0.45
(1,1565)	1:88:A:GLY:H	1:87:A:LEU:HD13	20	0.45
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	16	0.45
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	16	0.45
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	16	0.45
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	8	0.45
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	8	0.45
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	8	0.45
(1,1444)	1:116:A:VAL:HG21	1:167:A:GLU:HA	10	0.45
(1,1444)	1:116:A:VAL:HG22	1:167:A:GLU:HA	10	0.45
(1,1444)	1:116:A:VAL:HG23	1:167:A:GLU:HA	10	0.45
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	10	0.45
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	10	0.45
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	10	0.45
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	10	0.45
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	10	0.45
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	10	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	2	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	2	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	2	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	3	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	3	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	3	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	5	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	5	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	5	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	6	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	6	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	6	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	7	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	7	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	9	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	9	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	9	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	10	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	10	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	10	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	11	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	11	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	11	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	14	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	14	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	14	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	15	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	15	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	15	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	18	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	18	0.45
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	18	0.45
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	12	0.45
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	12	0.45
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	12	0.45
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	16	0.45
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	16	0.45
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	16	0.45
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	19	0.45
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	19	0.45
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	19	0.45
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	19	0.45
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	19	0.45
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	19	0.45
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	19	0.45
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	19	0.45
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	19	0.45
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	19	0.45
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	19	0.45
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	19	0.45
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	20	0.45
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	20	0.45
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	20	0.45
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	20	0.45
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	20	0.45
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	20	0.45
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	20	0.45
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	20	0.45
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	20	0.45
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	20	0.45
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	20	0.45
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD21	10	0.45
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD22	10	0.45
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD23	10	0.45
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	20	0.45
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	20	0.45
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	20	0.45
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG21	18	0.45
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG22	18	0.45
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG23	18	0.45
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG21	18	0.45
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG22	18	0.45
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG23	18	0.45
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	13	0.45
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	13	0.45
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	13	0.45
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	13	0.45
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	13	0.45
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	13	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	2	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	2	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	2	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	3	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	3	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	3	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	5	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	5	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	5	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	7	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	7	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	7	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	8	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	8	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	8	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	9	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	9	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	11	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	11	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	11	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	12	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	12	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	12	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	15	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	15	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	15	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	18	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	18	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	18	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	19	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	19	0.45
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	19	0.45
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	19	0.45
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	19	0.45
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	19	0.45
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	19	0.45
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	19	0.45
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	19	0.45
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	20	0.45
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	20	0.45
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	20	0.45
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	20	0.45
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	20	0.45
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	20	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	9	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	9	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	9	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	11	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	11	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	11	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	15	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	15	0.45
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	15	0.45
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	14	0.45
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	14	0.45
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	14	0.45
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	14	0.45
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	14	0.45
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	2	0.45
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	2	0.45
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	2	0.45
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	2	0.45
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	2	0.45
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	2	0.45
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	2	0.45
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	2	0.45
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	2	0.45
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	4	0.45
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	4	0.45
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	4	0.45
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	4	0.45
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	4	0.45
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	4	0.45
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	5	0.45
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	5	0.45
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	5	0.45
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	5	0.45
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	5	0.45
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	5	0.45
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	5	0.45
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	5	0.45
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	5	0.45
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	5	0.45
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	5	0.45
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	5	0.45
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	5	0.45
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	5	0.45
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	5	0.45
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD11	17	0.45
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD12	17	0.45
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD13	17	0.45
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	5	0.45
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	5	0.45
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	5	0.45
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	5	0.45
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	5	0.45
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	5	0.45
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	5	0.45
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	5	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	2	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	2	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	2	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	3	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	3	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	3	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	5	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	5	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	5	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	6	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	6	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	6	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	7	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	7	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	7	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	9	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	9	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	9	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	10	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	10	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	10	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	11	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	11	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	11	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	14	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	14	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	14	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	15	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	15	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	15	0.45
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	18	0.45
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	18	0.45
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	18	0.45
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	6	0.45
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	6	0.45
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	6	0.45
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	7	0.44
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	7	0.44
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	7	0.44
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	13	0.44
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	13	0.44
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	5	0.44
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	5	0.44
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	5	0.44
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	7	0.44
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	7	0.44
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	7	0.44
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	13	0.44
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	13	0.44
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	13	0.44
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	20	0.44
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	20	0.44
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	20	0.44
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	11	0.44
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	11	0.44
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	11	0.44
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	11	0.44
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	11	0.44
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	11	0.44
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	17	0.44
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	17	0.44
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	17	0.44
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	17	0.44
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	17	0.44
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	17	0.44
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	7	0.44
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	7	0.44
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	7	0.44
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	15	0.44
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	15	0.44
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	15	0.44
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	3	0.44
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	3	0.44
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	3	0.44
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD11	17	0.44
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD12	17	0.44
(1,2214)	1:86:A:GLY:HA2	1:98:A:LEU:HD13	17	0.44
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD11	17	0.44
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD12	17	0.44
(1,2214)	1:86:A:GLY:HA3	1:98:A:LEU:HD13	17	0.44
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	7	0.44
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	7	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	7	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	7	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	7	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	7	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	7	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	7	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	20	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	20	0.44
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	20	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	20	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	20	0.44
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	20	0.44
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	6	0.44
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	6	0.44
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	6	0.44
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA2	17	0.44
(1,1877)	1:98:A:LEU:HD11	1:86:A:GLY:HA3	17	0.44
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA2	17	0.44
(1,1877)	1:98:A:LEU:HD12	1:86:A:GLY:HA3	17	0.44
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA2	17	0.44
(1,1877)	1:98:A:LEU:HD13	1:86:A:GLY:HA3	17	0.44
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	18	0.44
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	18	0.44
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	18	0.44
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	7	0.44
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	7	0.44
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	7	0.44
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	7	0.44
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	7	0.44
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	7	0.44
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	20	0.44
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	20	0.44
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	20	0.44
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	20	0.44
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	20	0.44
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	20	0.44
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	3	0.44
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	3	0.44
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	3	0.44
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	9	0.44
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	9	0.44
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	18	0.44
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	18	0.44
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	18	0.44
(1,1555)	1:82:A:VAL:HG11	1:49:A:LEU:HB2	15	0.44
(1,1555)	1:82:A:VAL:HG11	1:49:A:LEU:HB3	15	0.44
(1,1555)	1:82:A:VAL:HG12	1:49:A:LEU:HB2	15	0.44
(1,1555)	1:82:A:VAL:HG12	1:49:A:LEU:HB3	15	0.44
(1,1555)	1:82:A:VAL:HG13	1:49:A:LEU:HB2	15	0.44
(1,1555)	1:82:A:VAL:HG13	1:49:A:LEU:HB3	15	0.44
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	19	0.44
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	19	0.44
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	19	0.44
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	4	0.44
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	4	0.44
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	4	0.44
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	13	0.44
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	13	0.44
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	13	0.44
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	14	0.44
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	14	0.44
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	14	0.44
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG21	17	0.44
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG22	17	0.44
(1,1232)	1:113:A:VAL:HA	1:113:A:VAL:HG23	17	0.44
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	9	0.44
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	9	0.44
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	9	0.44
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	9	0.44
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	9	0.44
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	9	0.44
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	9	0.44
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	9	0.44
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	9	0.44
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	9	0.44
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	9	0.44
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	9	0.44
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	10	0.44
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	10	0.44
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	10	0.44
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	10	0.44
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	10	0.44
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	10	0.44
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	10	0.44
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	10	0.44
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	10	0.44
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	10	0.44
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	10	0.44
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	9	0.44
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	9	0.44
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	9	0.44
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	8	0.44
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	8	0.44
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	8	0.44
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	4	0.44
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	4	0.44
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	4	0.44
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	4	0.44
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	4	0.44
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	4	0.44
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	4	0.44
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	4	0.44
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	4	0.44
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	9	0.44
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	9	0.44
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	9	0.44
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	9	0.44
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	9	0.44
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	9	0.44
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG11	20	0.44
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG12	20	0.44
(1,552)	1:49:A:LEU:HB2	1:48:A:VAL:HG13	20	0.44
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG11	20	0.44
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG12	20	0.44
(1,552)	1:49:A:LEU:HB3	1:48:A:VAL:HG13	20	0.44
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	6	0.44
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	6	0.44
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	6	0.44
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	16	0.44
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	16	0.44
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	16	0.44
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG21	17	0.44
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG22	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:68:A:VAL:HA	1:68:A:VAL:HG23	17	0.44
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	9	0.44
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	9	0.44
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	9	0.44
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	9	0.44
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	9	0.44
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	9	0.44
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	10	0.44
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	10	0.44
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	10	0.44
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	10	0.44
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	10	0.44
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	10	0.44
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	5	0.44
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	5	0.44
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	5	0.44
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	7	0.44
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	7	0.44
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	7	0.44
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	3	0.44
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	3	0.44
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	3	0.44
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	3	0.44
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	3	0.44
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	3	0.44
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	3	0.44
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	3	0.44
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	3	0.44
(1,171)	1:82:A:VAL:HG11	1:49:A:LEU:HB2	15	0.44
(1,171)	1:82:A:VAL:HG11	1:49:A:LEU:HB3	15	0.44
(1,171)	1:82:A:VAL:HG12	1:49:A:LEU:HB2	15	0.44
(1,171)	1:82:A:VAL:HG12	1:49:A:LEU:HB3	15	0.44
(1,171)	1:82:A:VAL:HG13	1:49:A:LEU:HB2	15	0.44
(1,171)	1:82:A:VAL:HG13	1:49:A:LEU:HB3	15	0.44
(1,72)	1:113:A:VAL:HG21	1:113:A:VAL:HA	17	0.44
(1,72)	1:113:A:VAL:HG22	1:113:A:VAL:HA	17	0.44
(1,72)	1:113:A:VAL:HG23	1:113:A:VAL:HA	17	0.44
(1,42)	1:140:A:VAL:HG21	1:140:A:VAL:HA	10	0.44
(1,42)	1:140:A:VAL:HG22	1:140:A:VAL:HA	10	0.44
(1,42)	1:140:A:VAL:HG23	1:140:A:VAL:HA	10	0.44
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	3	0.43
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	3	0.43
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	1	0.43
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	1	0.43
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	1	0.43
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	9	0.43
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	9	0.43
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	9	0.43
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	16	0.43
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	16	0.43
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	16	0.43
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	20	0.43
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	20	0.43
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	20	0.43
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	9	0.43
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	9	0.43
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	9	0.43
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	12	0.43
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	12	0.43
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	12	0.43
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	6	0.43
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	6	0.43
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	6	0.43
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	6	0.43
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	6	0.43
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	6	0.43
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	7	0.43
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	7	0.43
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	7	0.43
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	10	0.43
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	10	0.43
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	10	0.43
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	11	0.43
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	11	0.43
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	11	0.43
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	13	0.43
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	13	0.43
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	13	0.43
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	14	0.43
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	14	0.43
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	14	0.43
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	17	0.43
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	17	0.43
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	20	0.43
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	20	0.43
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	20	0.43
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	7	0.43
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	7	0.43
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	7	0.43
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	17	0.43
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	17	0.43
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	17	0.43
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	9	0.43
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	9	0.43
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	9	0.43
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	12	0.43
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	12	0.43
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	12	0.43
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	12	0.43
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	12	0.43
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	12	0.43
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	9	0.43
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	9	0.43
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	9	0.43
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD21	9	0.43
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD22	9	0.43
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD23	9	0.43
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	5	0.43
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	5	0.43
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	5	0.43
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	5	0.43
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	5	0.43
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	5	0.43
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	8	0.43
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	8	0.43
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	8	0.43
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	8	0.43
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	8	0.43
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	8	0.43
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	8	0.43
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	8	0.43
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	8	0.43
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	17	0.43
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	17	0.43
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	17	0.43
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	17	0.43
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	17	0.43
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	17	0.43
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	17	0.43
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	17	0.43
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	14	0.43
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	14	0.43
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	14	0.43
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	14	0.43
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	14	0.43
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	14	0.43
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	14	0.43
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	14	0.43
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	14	0.43
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	7	0.43
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	7	0.43
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	7	0.43
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	19	0.43
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	19	0.43
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	19	0.43
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	19	0.43
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	19	0.43
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	19	0.43
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	1	0.43
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	1	0.43
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	1	0.43
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	15	0.43
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	15	0.43
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	15	0.43
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	15	0.43
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	15	0.43
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	15	0.43
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	15	0.43
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	15	0.43
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	15	0.43
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	6	0.43
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	6	0.43
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	6	0.43
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	7	0.43
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	7	0.43
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	19	0.43
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	19	0.43
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	19	0.43
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	6	0.42
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	6	0.42
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	6	0.42
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	11	0.42
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	11	0.42
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	11	0.42
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	11	0.42
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	11	0.42
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	11	0.42
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	5	0.42
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	5	0.42
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	5	0.42
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	4	0.42
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	4	0.42
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	4	0.42
(1,2090)	1:156:A:ARG:HB2	1:142:A:LEU:HD11	18	0.42
(1,2090)	1:156:A:ARG:HB2	1:142:A:LEU:HD12	18	0.42
(1,2090)	1:156:A:ARG:HB2	1:142:A:LEU:HD13	18	0.42
(1,2090)	1:156:A:ARG:HB3	1:142:A:LEU:HD11	18	0.42
(1,2090)	1:156:A:ARG:HB3	1:142:A:LEU:HD12	18	0.42
(1,2090)	1:156:A:ARG:HB3	1:142:A:LEU:HD13	18	0.42
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD21	12	0.42
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD22	12	0.42
(1,2064)	1:72:A:LEU:HA	1:75:A:LEU:HD23	12	0.42
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	20	0.42
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	20	0.42
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	20	0.42
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	2	0.42
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	2	0.42
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	2	0.42
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	2	0.42
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	2	0.42
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	2	0.42
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	12	0.42
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	12	0.42
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	12	0.42
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	16	0.42
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	16	0.42
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	3	0.42
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	3	0.42
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	3	0.42
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	10	0.42
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	10	0.42
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	10	0.42
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	19	0.42
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	19	0.42
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	19	0.42
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	6	0.42
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	6	0.42
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	6	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	3	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	3	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	3	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	10	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	10	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	10	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	13	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	13	0.42
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	13	0.42
(1,1383)	1:75:A:LEU:HD21	1:72:A:LEU:HA	12	0.42
(1,1383)	1:75:A:LEU:HD22	1:72:A:LEU:HA	12	0.42
(1,1383)	1:75:A:LEU:HD23	1:72:A:LEU:HA	12	0.42
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	7	0.42
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	7	0.42
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	7	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	1	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	1	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	1	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	1	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	1	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	1	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	1	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	1	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	1	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	1	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	1	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	1	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	4	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	4	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	4	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	4	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	4	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	4	0.42
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	4	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	4	0.42
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	4	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	4	0.42
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	4	0.42
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	14	0.42
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	14	0.42
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	14	0.42
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	12	0.42
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	12	0.42
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	12	0.42
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	12	0.42
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	12	0.42
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	12	0.42
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	12	0.42
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	12	0.42
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	12	0.42
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	19	0.42
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	19	0.42
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	19	0.42
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	19	0.42
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	19	0.42
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	19	0.42
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	19	0.42
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	19	0.42
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	19	0.42
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	13	0.42
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	13	0.42
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	13	0.42
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	1	0.42
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	1	0.42
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	1	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	1	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	1	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	1	0.42
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	4	0.42
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	4	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	4	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	4	0.42
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	4	0.42
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	16	0.42
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	16	0.42
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	16	0.42
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	16	0.42
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	16	0.42
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	16	0.42
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	1	0.42
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	1	0.42
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	1	0.42
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	15	0.42
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	15	0.42
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	15	0.42
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	6	0.42
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	6	0.42
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	6	0.42
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	6	0.42
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	6	0.42
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	6	0.42
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	6	0.42
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	6	0.42
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	6	0.42
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	6	0.42
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	6	0.42
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	6	0.42
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	13	0.42
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	13	0.42
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	13	0.42
(1,3559)	1:113:A:VAL:HG21	1:111:A:LYS:H	17	0.41
(1,3559)	1:113:A:VAL:HG22	1:111:A:LYS:H	17	0.41
(1,3559)	1:113:A:VAL:HG23	1:111:A:LYS:H	17	0.41
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	8	0.41
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	8	0.41
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	8	0.41
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	14	0.41
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	14	0.41
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	14	0.41
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	15	0.41
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	15	0.41
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	14	0.41
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	14	0.41
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	14	0.41
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG11	13	0.41
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG12	13	0.41
(1,2302)	1:82:A:VAL:H	1:113:A:VAL:HG13	13	0.41
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	8	0.41
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	8	0.41
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	8	0.41
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	3	0.41
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	3	0.41
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	3	0.41
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	20	0.41
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	20	0.41
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	20	0.41
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	13	0.41
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	13	0.41
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	13	0.41
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	10	0.41
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	10	0.41
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	10	0.41
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	10	0.41
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	10	0.41
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	10	0.41
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	10	0.41
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	10	0.41
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	10	0.41
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	10	0.41
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	10	0.41
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	10	0.41
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	4	0.41
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	4	0.41
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	4	0.41
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	1	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	1	0.41
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	1	0.41
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	2	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	2	0.41
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	2	0.41
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	11	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	11	0.41
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	12	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	12	0.41
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	12	0.41
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	15	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	15	0.41
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	15	0.41
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	16	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	16	0.41
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	16	0.41
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	17	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	17	0.41
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	17	0.41
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	18	0.41
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	18	0.41
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	18	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	2	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	2	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	2	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	16	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	16	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	16	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	18	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	18	0.41
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	18	0.41
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	16	0.41
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	16	0.41
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	16	0.41
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	16	0.41
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	16	0.41
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	16	0.41
(1,1053)	1:77:A:LEU:HD11	1:75:A:LEU:HB2	14	0.41
(1,1053)	1:77:A:LEU:HD11	1:75:A:LEU:HB3	14	0.41
(1,1053)	1:77:A:LEU:HD12	1:75:A:LEU:HB2	14	0.41
(1,1053)	1:77:A:LEU:HD12	1:75:A:LEU:HB3	14	0.41
(1,1053)	1:77:A:LEU:HD13	1:75:A:LEU:HB2	14	0.41
(1,1053)	1:77:A:LEU:HD13	1:75:A:LEU:HB3	14	0.41
(1,804)	1:48:A:VAL:HG21	1:168:A:MET:HB2	15	0.41
(1,804)	1:48:A:VAL:HG21	1:168:A:MET:HB3	15	0.41
(1,804)	1:48:A:VAL:HG22	1:168:A:MET:HB2	15	0.41
(1,804)	1:48:A:VAL:HG22	1:168:A:MET:HB3	15	0.41
(1,804)	1:48:A:VAL:HG23	1:168:A:MET:HB2	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:48:A:VAL:HG23	1:168:A:MET:HB3	15	0.41
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	14	0.41
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	14	0.41
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	14	0.41
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	7	0.41
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	7	0.41
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	7	0.41
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	7	0.41
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	7	0.41
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	7	0.41
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	7	0.41
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	7	0.41
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	7	0.41
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	16	0.41
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	16	0.41
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	16	0.41
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	16	0.41
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	16	0.41
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	16	0.41
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	16	0.41
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	16	0.41
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	16	0.41
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	19	0.41
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	19	0.41
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	19	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	4	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	4	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	4	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	6	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	6	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	6	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	9	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	9	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	9	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	12	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	12	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	12	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	15	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	15	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	15	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	20	0.41
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	20	0.41
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	8	0.41
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	8	0.41
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	8	0.41
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	14	0.41
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	14	0.41
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	14	0.41
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG2	10	0.41
(1,423)	1:75:A:LEU:HD11	1:41:A:LYS:HG3	10	0.41
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG2	10	0.41
(1,423)	1:75:A:LEU:HD12	1:41:A:LYS:HG3	10	0.41
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG2	10	0.41
(1,423)	1:75:A:LEU:HD13	1:41:A:LYS:HG3	10	0.41
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	4	0.41
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	4	0.41
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	4	0.41
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	6	0.41
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	6	0.41
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	6	0.41
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	9	0.41
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	9	0.41
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	9	0.41
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	12	0.41
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	12	0.41
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	12	0.41
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	15	0.41
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	15	0.41
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	15	0.41
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	20	0.41
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	20	0.41
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	20	0.41
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	10	0.4
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	10	0.4
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	10	0.4
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	18	0.4
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	18	0.4
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	18	0.4
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	18	0.4
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	18	0.4
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	18	0.4
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	18	0.4
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	18	0.4
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	1	0.4
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	1	0.4
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	1	0.4
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	18	0.4
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	18	0.4
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	18	0.4
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	7	0.4
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	7	0.4
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	7	0.4
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	20	0.4
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	20	0.4
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	20	0.4
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD11	6	0.4
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD12	6	0.4
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD13	6	0.4
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD11	6	0.4
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD12	6	0.4
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD13	6	0.4
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	4	0.4
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	4	0.4
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	4	0.4
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	5	0.4
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	5	0.4
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	5	0.4
(1,1599)	1:51:A:LEU:HD21	1:51:A:LEU:HA	8	0.4
(1,1599)	1:51:A:LEU:HD22	1:51:A:LEU:HA	8	0.4
(1,1599)	1:51:A:LEU:HD23	1:51:A:LEU:HA	8	0.4
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	6	0.4
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	6	0.4
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	6	0.4
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	7	0.4
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	7	0.4
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	7	0.4
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	8	0.4
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	8	0.4
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	8	0.4
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	7	0.4
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	7	0.4
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	7	0.4
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	15	0.4
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	15	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	1	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	1	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	1	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	12	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	12	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	12	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	14	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	14	0.4
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	14	0.4
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	14	0.4
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	14	0.4
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	14	0.4
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	14	0.4
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	14	0.4
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	14	0.4
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	16	0.4
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	16	0.4
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	16	0.4
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	16	0.4
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	16	0.4
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	16	0.4
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	6	0.4
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	6	0.4
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	6	0.4
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	15	0.4
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	15	0.4
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	15	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	12	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	12	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	12	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	12	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	12	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	12	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	12	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	12	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	12	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	12	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	12	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	12	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	13	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	13	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	13	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	13	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	13	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	13	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	13	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	13	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	13	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	13	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	13	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	18	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	18	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	18	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	18	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	18	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	18	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	18	0.4
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	18	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	18	0.4
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	18	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	18	0.4
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	18	0.4
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD21	3	0.4
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD22	3	0.4
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD23	3	0.4
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	6	0.4
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	6	0.4
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	6	0.4
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	6	0.4
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	6	0.4
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	6	0.4
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	6	0.4
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	6	0.4
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	6	0.4
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	18	0.4
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	18	0.4
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	18	0.4
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	18	0.4
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	18	0.4
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	18	0.4
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	18	0.4
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	18	0.4
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	13	0.4
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	13	0.4
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	13	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	2	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	2	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	2	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	11	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	11	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	11	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	16	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	16	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	16	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	18	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	18	0.4
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	18	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	12	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	12	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	12	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	12	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	12	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	12	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	13	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	13	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	13	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	13	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	13	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	13	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	18	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	18	0.4
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	18	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	18	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	18	0.4
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	18	0.4
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	5	0.4
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	5	0.4
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	5	0.4
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	8	0.4
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	8	0.4
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	8	0.4
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	16	0.4
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	16	0.4
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	10	0.4
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	10	0.4
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	10	0.4
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	20	0.4
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	20	0.4
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	20	0.4
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	20	0.4
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	20	0.4
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	20	0.4
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	16	0.4
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	16	0.4
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	16	0.4
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	16	0.4
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	16	0.4
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	16	0.4
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	16	0.4
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	16	0.4
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	16	0.4
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	7	0.4
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	7	0.4
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	7	0.4
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	7	0.4
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	7	0.4
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	7	0.4
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	2	0.4
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	2	0.4
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	2	0.4
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	11	0.4
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	11	0.4
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	11	0.4
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	16	0.4
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	16	0.4
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	16	0.4
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	18	0.4
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	18	0.4
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	18	0.4
(1,3559)	1:113:A:VAL:HG21	1:111:A:LYS:H	14	0.39
(1,3559)	1:113:A:VAL:HG22	1:111:A:LYS:H	14	0.39
(1,3559)	1:113:A:VAL:HG23	1:111:A:LYS:H	14	0.39
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	18	0.39
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	18	0.39
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	11	0.39
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	11	0.39
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	11	0.39
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	19	0.39
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	19	0.39
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	19	0.39
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	5	0.39
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	5	0.39
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	5	0.39
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	14	0.39
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	14	0.39
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	14	0.39
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	14	0.39
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	14	0.39
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	14	0.39
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	11	0.39
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	11	0.39
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	11	0.39
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	6	0.39
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	6	0.39
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	6	0.39
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	11	0.39
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	11	0.39
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	11	0.39
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	19	0.39
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	19	0.39
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	19	0.39
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	19	0.39
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	19	0.39
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	19	0.39
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	2	0.39
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	2	0.39
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	2	0.39
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	3	0.39
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	3	0.39
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	3	0.39
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	5	0.39
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	5	0.39
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	5	0.39
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	5	0.39
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	5	0.39
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	10	0.39
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	10	0.39
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	10	0.39
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	13	0.39
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	13	0.39
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	13	0.39
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	4	0.39
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	4	0.39
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	4	0.39
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	5	0.39
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	5	0.39
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	5	0.39
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	9	0.39
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	9	0.39
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	9	0.39
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	13	0.39
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	13	0.39
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	13	0.39
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	20	0.39
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	20	0.39
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	20	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	8	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	8	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	8	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	11	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	11	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	11	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	20	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	20	0.39
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	20	0.39
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD11	6	0.39
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD12	6	0.39
(1,1247)	1:71:A:GLN:H	1:72:A:LEU:HD13	6	0.39
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	6	0.39
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	6	0.39
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	6	0.39
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	6	0.39
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	6	0.39
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	6	0.39
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	13	0.39
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	13	0.39
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	13	0.39
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	13	0.39
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	13	0.39
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	8	0.39
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	8	0.39
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	8	0.39
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	14	0.39
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	14	0.39
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	14	0.39
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	10	0.39
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	10	0.39
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	10	0.39
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	10	0.39
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	10	0.39
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	10	0.39
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	10	0.39
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	10	0.39
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	10	0.39
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	9	0.39
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	9	0.39
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	9	0.39
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	9	0.39
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	9	0.39
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	9	0.39
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	9	0.39
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	9	0.39
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	9	0.39
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	8	0.39
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	8	0.39
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	8	0.39
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	10	0.39
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	10	0.39
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	10	0.39
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	7	0.39
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	7	0.39
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	7	0.39
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	8	0.39
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	8	0.39
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	8	0.39
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	10	0.39
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	10	0.39
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	8	0.38
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	8	0.38
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	8	0.38
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	3	0.38
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	3	0.38
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	3	0.38
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	5	0.38
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	5	0.38
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	5	0.38
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	15	0.38
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	15	0.38
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	15	0.38
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	4	0.38
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	4	0.38
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	4	0.38
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	4	0.38
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	4	0.38
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	4	0.38
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	20	0.38
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	20	0.38
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	20	0.38
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	12	0.38
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	12	0.38
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	12	0.38
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	10	0.38
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	10	0.38
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	10	0.38
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	17	0.38
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	17	0.38
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	17	0.38
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	12	0.38
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	12	0.38
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	12	0.38
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD11	14	0.38
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD12	14	0.38
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD13	14	0.38
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD11	14	0.38
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD12	14	0.38
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD13	14	0.38
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	12	0.38
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	12	0.38
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	14	0.38
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	14	0.38
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	14	0.38
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	12	0.38
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	12	0.38
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	12	0.38
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	4	0.38
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	4	0.38
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	4	0.38
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	4	0.38
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	4	0.38
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	4	0.38
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	4	0.38
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	4	0.38
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	4	0.38
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	4	0.38
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	4	0.38
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	4	0.38
(1,1777)	1:101:A:LEU:HD11	1:141:A:GLY:HA2	14	0.38
(1,1777)	1:101:A:LEU:HD11	1:141:A:GLY:HA3	14	0.38
(1,1777)	1:101:A:LEU:HD12	1:141:A:GLY:HA2	14	0.38
(1,1777)	1:101:A:LEU:HD12	1:141:A:GLY:HA3	14	0.38
(1,1777)	1:101:A:LEU:HD13	1:141:A:GLY:HA2	14	0.38
(1,1777)	1:101:A:LEU:HD13	1:141:A:GLY:HA3	14	0.38
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	4	0.38
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	4	0.38
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	4	0.38
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	6	0.38
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	6	0.38
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	6	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	2	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	2	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	2	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	2	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	2	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	2	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	17	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	17	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	17	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	17	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	17	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	18	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	18	0.38
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	18	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	18	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	18	0.38
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	18	0.38
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	7	0.38
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	7	0.38
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	7	0.38
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	7	0.38
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	7	0.38
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	7	0.38
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	7	0.38
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	7	0.38
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	7	0.38
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	7	0.38
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	7	0.38
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	7	0.38
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	10	0.38
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	10	0.38
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	10	0.38
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD21	10	0.38
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD22	10	0.38
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD23	10	0.38
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD21	10	0.38
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD22	10	0.38
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD23	10	0.38
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	11	0.38
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	11	0.38
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	11	0.38
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG21	20	0.38
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG22	20	0.38
(1,547)	1:67:A:ALA:HB1	1:68:A:VAL:HG23	20	0.38
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG21	20	0.38
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG22	20	0.38
(1,547)	1:67:A:ALA:HB2	1:68:A:VAL:HG23	20	0.38
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG21	20	0.38
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG22	20	0.38
(1,547)	1:67:A:ALA:HB3	1:68:A:VAL:HG23	20	0.38
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	7	0.38
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	7	0.38
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	7	0.38
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	7	0.38
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	7	0.38
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	6	0.38
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	6	0.38
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	6	0.38
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	10	0.38
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	10	0.38
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	10	0.38
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	3	0.38
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	3	0.38
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	3	0.38
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	13	0.38
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	13	0.38
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	13	0.38
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	19	0.38
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	19	0.38
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	19	0.38
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	16	0.38
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	16	0.38
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	16	0.38
(1,391)	1:164:A:ILE:HG12	1:165:A:LEU:HD21	14	0.38
(1,391)	1:164:A:ILE:HG12	1:165:A:LEU:HD22	14	0.38
(1,391)	1:164:A:ILE:HG12	1:165:A:LEU:HD23	14	0.38
(1,391)	1:164:A:ILE:HG13	1:165:A:LEU:HD21	14	0.38
(1,391)	1:164:A:ILE:HG13	1:165:A:LEU:HD22	14	0.38
(1,391)	1:164:A:ILE:HG13	1:165:A:LEU:HD23	14	0.38
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	16	0.38
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	16	0.38
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	16	0.38
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	16	0.38
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	16	0.38
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	16	0.38
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	10	0.37
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	10	0.37
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	10	0.37
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	18	0.37
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	18	0.37
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	18	0.37
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	8	0.37
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	8	0.37
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	9	0.37
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	9	0.37
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	9	0.37
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	14	0.37
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	14	0.37
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	14	0.37
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	15	0.37
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	15	0.37
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	15	0.37
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	7	0.37
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	7	0.37
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	7	0.37
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	19	0.37
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	19	0.37
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	19	0.37
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	19	0.37
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	19	0.37
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	19	0.37
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	8	0.37
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	8	0.37
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	8	0.37
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	9	0.37
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	9	0.37
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	9	0.37
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD11	5	0.37
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD12	5	0.37
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD13	5	0.37
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD11	5	0.37
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD12	5	0.37
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD13	5	0.37
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	5	0.37
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	5	0.37
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	5	0.37
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	5	0.37
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	5	0.37
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	5	0.37
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	13	0.37
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	13	0.37
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	13	0.37
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD11	18	0.37
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD12	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD13	18	0.37
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	5	0.37
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	5	0.37
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	5	0.37
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	5	0.37
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	5	0.37
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	5	0.37
(1,1777)	1:101:A:LEU:HD11	1:141:A:GLY:HA2	5	0.37
(1,1777)	1:101:A:LEU:HD11	1:141:A:GLY:HA3	5	0.37
(1,1777)	1:101:A:LEU:HD12	1:141:A:GLY:HA2	5	0.37
(1,1777)	1:101:A:LEU:HD12	1:141:A:GLY:HA3	5	0.37
(1,1777)	1:101:A:LEU:HD13	1:141:A:GLY:HA2	5	0.37
(1,1777)	1:101:A:LEU:HD13	1:141:A:GLY:HA3	5	0.37
(1,1540)	1:49:A:LEU:HD21	1:49:A:LEU:HA	14	0.37
(1,1540)	1:49:A:LEU:HD22	1:49:A:LEU:HA	14	0.37
(1,1540)	1:49:A:LEU:HD23	1:49:A:LEU:HA	14	0.37
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	9	0.37
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	9	0.37
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	9	0.37
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	3	0.37
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	3	0.37
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	3	0.37
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	18	0.37
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	18	0.37
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	18	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	1	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	1	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	1	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	1	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	1	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	1	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	4	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	4	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	4	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	4	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	4	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	4	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	19	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	19	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	19	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	19	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	19	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	20	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	20	0.37
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	20	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	20	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	20	0.37
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	20	0.37
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	13	0.37
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	13	0.37
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	13	0.37
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD21	14	0.37
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD22	14	0.37
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD23	14	0.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG11	14	0.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG12	14	0.37
(1,677)	1:102:A:GLY:HA2	1:140:A:VAL:HG13	14	0.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG11	14	0.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG12	14	0.37
(1,677)	1:102:A:GLY:HA3	1:140:A:VAL:HG13	14	0.37
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	2	0.37
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	2	0.37
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	2	0.37
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	2	0.37
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	2	0.37
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	2	0.37
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	2	0.37
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	2	0.37
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	2	0.37
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	7	0.37
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	7	0.37
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	7	0.37
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	7	0.37
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	7	0.37
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	7	0.37
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	7	0.37
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	7	0.37
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	7	0.37
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	18	0.37
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	18	0.37
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	18	0.37
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	18	0.37
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	18	0.37
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	1	0.37
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	1	0.37
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	1	0.37
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	14	0.37
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	14	0.37
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	14	0.37
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	2	0.37
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	2	0.37
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	2	0.37
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	1	0.37
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	1	0.37
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	1	0.37
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	6	0.37
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	6	0.37
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	6	0.37
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD11	19	0.37
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD12	19	0.37
(1,422)	1:77:A:LEU:HD21	1:49:A:LEU:HD13	19	0.37
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD11	19	0.37
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD12	19	0.37
(1,422)	1:77:A:LEU:HD22	1:49:A:LEU:HD13	19	0.37
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD11	19	0.37
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD12	19	0.37
(1,422)	1:77:A:LEU:HD23	1:49:A:LEU:HD13	19	0.37
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	1	0.37
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	1	0.37
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	1	0.37
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	1	0.37
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	1	0.37
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	1	0.37
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	20	0.36
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	20	0.36
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	20	0.36
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	11	0.36
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	11	0.36
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	11	0.36
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	18	0.36
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	18	0.36
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	18	0.36
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	18	0.36
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	18	0.36
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	2	0.36
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	2	0.36
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	2	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	16	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	16	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	16	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	17	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	17	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	17	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	20	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	20	0.36
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	20	0.36
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	6	0.36
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	6	0.36
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	6	0.36
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	9	0.36
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	9	0.36
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	9	0.36
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	11	0.36
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	11	0.36
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	11	0.36
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	6	0.36
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	6	0.36
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	6	0.36
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	10	0.36
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	10	0.36
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	10	0.36
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	1	0.36
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	1	0.36
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	1	0.36
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	8	0.36
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	8	0.36
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	8	0.36
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	15	0.36
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	15	0.36
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	15	0.36
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	16	0.36
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	16	0.36
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	16	0.36
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	8	0.36
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	8	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	1	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	1	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	1	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	14	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	14	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	14	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	20	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	20	0.36
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	20	0.36
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	5	0.36
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	5	0.36
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	5	0.36
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG11	7	0.36
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG12	7	0.36
(1,1518)	1:48:A:VAL:H	1:48:A:VAL:HG13	7	0.36
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	10	0.36
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	10	0.36
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	10	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	5	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	5	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	5	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	5	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	5	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	5	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	8	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	8	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	8	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	8	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	8	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	8	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	9	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	9	0.36
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	9	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	9	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	9	0.36
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	9	0.36
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	16	0.36
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	16	0.36
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	16	0.36
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	5	0.36
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	5	0.36
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	12	0.36
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	12	0.36
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	12	0.36
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	1	0.36
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	1	0.36
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	1	0.36
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	1	0.36
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	1	0.36
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	1	0.36
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	18	0.36
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	18	0.36
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	18	0.36
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	18	0.36
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	18	0.36
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	18	0.36
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	18	0.36
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	18	0.36
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	18	0.36
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	20	0.36
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	20	0.36
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	20	0.36
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	9	0.36
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	9	0.36
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	9	0.36
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	2	0.36
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	2	0.36
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	2	0.36
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	2	0.36
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	2	0.36
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	2	0.36
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	2	0.36
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	2	0.36
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	2	0.36
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	14	0.36
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	14	0.36
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	14	0.36
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	11	0.36
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	11	0.36
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	11	0.36
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	11	0.36
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	11	0.36
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	11	0.36
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	11	0.36
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	11	0.36
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	11	0.36
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	11	0.36
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	11	0.36
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	11	0.36
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	11	0.36
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	11	0.36
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	11	0.36
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	11	0.36
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	11	0.36
(1,3142)	1:104:A:LEU:HD11	1:107:A:LYS:H	1	0.35
(1,3142)	1:104:A:LEU:HD12	1:107:A:LYS:H	1	0.35
(1,3142)	1:104:A:LEU:HD13	1:107:A:LYS:H	1	0.35
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	2	0.35
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	2	0.35
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	2	0.35
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	4	0.35
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	4	0.35
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	4	0.35
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	19	0.35
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	19	0.35
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	19	0.35
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	18	0.35
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	18	0.35
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	18	0.35
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	12	0.35
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	12	0.35
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	12	0.35
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	15	0.35
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	15	0.35
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	15	0.35
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	15	0.35
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	15	0.35
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	15	0.35
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	12	0.35
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	12	0.35
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	12	0.35
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	13	0.35
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	13	0.35
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	15	0.35
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	15	0.35
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	15	0.35
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	19	0.35
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	19	0.35
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	19	0.35
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	20	0.35
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	20	0.35
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	20	0.35
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	13	0.35
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	13	0.35
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	13	0.35
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	13	0.35
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	13	0.35
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	13	0.35
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD11	1	0.35
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD12	1	0.35
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD13	1	0.35
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	18	0.35
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	18	0.35
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	18	0.35
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	18	0.35
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	18	0.35
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	18	0.35
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	18	0.35
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	18	0.35
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	18	0.35
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	18	0.35
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	18	0.35
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	18	0.35
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	6	0.35
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	6	0.35
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	6	0.35
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	14	0.35
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	14	0.35
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	14	0.35
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	7	0.35
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	7	0.35
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	7	0.35
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	8	0.35
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	8	0.35
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	15	0.35
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	15	0.35
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	15	0.35
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD21	1	0.35
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD22	1	0.35
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD23	1	0.35
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD21	1	0.35
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD22	1	0.35
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD23	1	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	6	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	6	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	6	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	6	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	6	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	6	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	6	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	6	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	6	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	6	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	6	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	6	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	15	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	15	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	15	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	15	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	15	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	15	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	15	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	15	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	15	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	15	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	15	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	15	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	16	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	16	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	16	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	16	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	16	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	16	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	16	0.35
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	16	0.35
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	16	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	16	0.35
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	16	0.35
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD21	8	0.35
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD22	8	0.35
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD23	8	0.35
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD21	8	0.35
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD22	8	0.35
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD23	8	0.35
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	16	0.35
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	16	0.35
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	16	0.35
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	16	0.35
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	16	0.35
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	16	0.35
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	16	0.35
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	16	0.35
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	16	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	1	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	1	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	1	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	3	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	3	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	3	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	7	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	7	0.35
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	7	0.35
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	3	0.35
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	3	0.35
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	3	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	6	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	6	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	6	0.35
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	6	0.35
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	6	0.35
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	6	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	15	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	15	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	15	0.35
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	15	0.35
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	15	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	16	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	16	0.35
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	16	0.35
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	16	0.35
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	16	0.35
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	16	0.35
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	7	0.35
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	7	0.35
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	7	0.35
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	7	0.35
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	7	0.35
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	7	0.35
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	2	0.35
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	2	0.35
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	2	0.35
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	17	0.35
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	17	0.35
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	17	0.35
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	3	0.35
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	3	0.35
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	3	0.35
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	9	0.34
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	9	0.34
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	9	0.34
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	17	0.34
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	17	0.34
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	17	0.34
(1,2764)	1:30:A:VAL:HG11	1:30:A:VAL:H	13	0.34
(1,2764)	1:30:A:VAL:HG12	1:30:A:VAL:H	13	0.34
(1,2764)	1:30:A:VAL:HG13	1:30:A:VAL:H	13	0.34
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	5	0.34
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	5	0.34
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	5	0.34
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	6	0.34
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	6	0.34
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	6	0.34
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	13	0.34
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	13	0.34
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	13	0.34
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	17	0.34
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	17	0.34
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	6	0.34
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	6	0.34
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	6	0.34
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	7	0.34
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	7	0.34
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	7	0.34
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	4	0.34
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	4	0.34
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	4	0.34
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	5	0.34
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	5	0.34
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	5	0.34
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	1	0.34
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	1	0.34
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	1	0.34
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	15	0.34
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	15	0.34
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	15	0.34
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	13	0.34
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	13	0.34
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	13	0.34
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	13	0.34
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	13	0.34
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	13	0.34
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	13	0.34
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	13	0.34
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	13	0.34
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	13	0.34
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	13	0.34
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	13	0.34
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	2	0.34
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	2	0.34
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	2	0.34
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	4	0.34
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	4	0.34
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	4	0.34
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD11	7	0.34
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD12	7	0.34
(1,2085)	1:160:A:TRP:HZ3	1:142:A:LEU:HD13	7	0.34
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD11	18	0.34
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD12	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:141:A:GLY:HA2	1:101:A:LEU:HD13	18	0.34
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD11	18	0.34
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD12	18	0.34
(1,2057)	1:141:A:GLY:HA3	1:101:A:LEU:HD13	18	0.34
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	5	0.34
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	5	0.34
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	5	0.34
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	3	0.34
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	3	0.34
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	3	0.34
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	3	0.34
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	3	0.34
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	3	0.34
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	15	0.34
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	15	0.34
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	15	0.34
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	3	0.34
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	3	0.34
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	3	0.34
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	3	0.34
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	3	0.34
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	3	0.34
(1,1777)	1:101:A:LEU:HD11	1:141:A:GLY:HA2	18	0.34
(1,1777)	1:101:A:LEU:HD11	1:141:A:GLY:HA3	18	0.34
(1,1777)	1:101:A:LEU:HD12	1:141:A:GLY:HA2	18	0.34
(1,1777)	1:101:A:LEU:HD12	1:141:A:GLY:HA3	18	0.34
(1,1777)	1:101:A:LEU:HD13	1:141:A:GLY:HA2	18	0.34
(1,1777)	1:101:A:LEU:HD13	1:141:A:GLY:HA3	18	0.34
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	2	0.34
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	2	0.34
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	2	0.34
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	5	0.34
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	5	0.34
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	5	0.34
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	17	0.34
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	17	0.34
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	17	0.34
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	20	0.34
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	20	0.34
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	20	0.34
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	17	0.34
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	17	0.34
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	3	0.34
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	3	0.34
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	3	0.34
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	3	0.34
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	3	0.34
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	3	0.34
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE2	3	0.34
(1,1043)	1:77:A:LEU:HD11	1:80:A:LYS:HE3	3	0.34
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE2	3	0.34
(1,1043)	1:77:A:LEU:HD12	1:80:A:LYS:HE3	3	0.34
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE2	3	0.34
(1,1043)	1:77:A:LEU:HD13	1:80:A:LYS:HE3	3	0.34
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	9	0.34
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	9	0.34
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	9	0.34
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	3	0.34
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	3	0.34
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	3	0.34
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	3	0.34
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	3	0.34
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	3	0.34
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	3	0.34
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	3	0.34
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	3	0.34
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	3	0.34
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	3	0.34
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	3	0.34
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	3	0.34
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	3	0.34
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	3	0.34
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	3	0.34
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	3	0.34
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	3	0.34
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	17	0.34
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	17	0.34
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	17	0.34
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	17	0.34
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	17	0.34
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	17	0.34
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	17	0.34
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	17	0.34
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD11	3	0.34
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD12	3	0.34
(1,528)	1:80:A:LYS:HE2	1:77:A:LEU:HD13	3	0.34
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD11	3	0.34
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD12	3	0.34
(1,528)	1:80:A:LYS:HE3	1:77:A:LEU:HD13	3	0.34
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG11	13	0.34
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG12	13	0.34
(1,513)	1:30:A:VAL:H	1:30:A:VAL:HG13	13	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	4	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	4	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	4	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	7	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	7	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	7	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	12	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	12	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	12	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	16	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	16	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	16	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	17	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	17	0.34
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	17	0.34
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD11	13	0.34
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD12	13	0.34
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD13	13	0.34
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD11	13	0.34
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD12	13	0.34
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD13	13	0.34
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	7	0.34
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	7	0.34
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	7	0.34
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	18	0.34
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	18	0.34
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	18	0.34
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	13	0.33
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	13	0.33
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	13	0.33
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	10	0.33
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	10	0.33
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	16	0.33
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	16	0.33
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	16	0.33
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	8	0.33
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	8	0.33
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	8	0.33
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	8	0.33
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	8	0.33
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	8	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	2	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	2	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	2	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	14	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	14	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	14	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	18	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	18	0.33
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	18	0.33
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	10	0.33
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	10	0.33
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	10	0.33
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	2	0.33
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	2	0.33
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	2	0.33
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	2	0.33
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	2	0.33
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	2	0.33
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	18	0.33
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	18	0.33
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	18	0.33
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	13	0.33
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	13	0.33
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	13	0.33
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	13	0.33
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	13	0.33
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	13	0.33
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	4	0.33
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	4	0.33
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	4	0.33
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	2	0.33
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	2	0.33
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	4	0.33
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	4	0.33
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	4	0.33
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD11	13	0.33
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD12	13	0.33
(1,1936)	1:148:A:ASN:HB2	1:91:A:LEU:HD13	13	0.33
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD11	13	0.33
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD12	13	0.33
(1,1936)	1:148:A:ASN:HB3	1:91:A:LEU:HD13	13	0.33
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	5	0.33
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	5	0.33
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	5	0.33
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	2	0.33
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	2	0.33
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	2	0.33
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	2	0.33
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	2	0.33
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	2	0.33
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	16	0.33
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	16	0.33
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	16	0.33
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	12	0.33
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	12	0.33
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	12	0.33
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	14	0.33
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	14	0.33
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	14	0.33
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	6	0.33
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	6	0.33
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	6	0.33
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	1	0.33
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	1	0.33
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	1	0.33
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	1	0.33
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	1	0.33
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	1	0.33
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	1	0.33
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	1	0.33
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	1	0.33
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	1	0.33
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	1	0.33
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG21	3	0.33
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG22	3	0.33
(1,1238)	1:2:A:ASN:HD21	1:48:A:VAL:HG23	3	0.33
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG21	3	0.33
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG22	3	0.33
(1,1238)	1:2:A:ASN:HD22	1:48:A:VAL:HG23	3	0.33
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	20	0.33
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	20	0.33
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	20	0.33
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	14	0.33
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	14	0.33
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	14	0.33
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	14	0.33
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	14	0.33
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	14	0.33
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	14	0.33
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	14	0.33
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	14	0.33
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	6	0.33
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	6	0.33
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	6	0.33
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	6	0.33
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	6	0.33
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	6	0.33
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	4	0.33
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	4	0.33
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	4	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	6	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	6	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	6	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	8	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	8	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	8	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	10	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	10	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	10	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	11	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	11	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	11	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	14	0.33
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	14	0.33
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	11	0.33
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	11	0.33
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	11	0.33
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	11	0.33
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	11	0.33
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	11	0.33
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	11	0.33
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	11	0.33
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	11	0.33
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	16	0.33
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	16	0.33
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	16	0.33
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	2	0.33
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	2	0.33
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	2	0.33
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	2	0.33
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	2	0.33
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	2	0.33
(1,3283)	1:82:A:VAL:HG11	1:114:A:LYS:H	15	0.32
(1,3283)	1:82:A:VAL:HG12	1:114:A:LYS:H	15	0.32
(1,3283)	1:82:A:VAL:HG13	1:114:A:LYS:H	15	0.32
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	11	0.32
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	11	0.32
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	11	0.32
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	2	0.32
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	2	0.32
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	2	0.32
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG21	10	0.32
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG22	10	0.32
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG23	10	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	4	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	4	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	4	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	8	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	8	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	8	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	15	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	15	0.32
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	15	0.32
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	3	0.32
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	3	0.32
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	12	0.32
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	12	0.32
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	12	0.32
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	17	0.32
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	17	0.32
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	17	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	3	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	3	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	3	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	5	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	5	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	5	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	10	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	10	0.32
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	10	0.32
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	3	0.32
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	3	0.32
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	3	0.32
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	16	0.32
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	16	0.32
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	16	0.32
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	1	0.32
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	1	0.32
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	1	0.32
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	1	0.32
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	1	0.32
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	1	0.32
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	1	0.32
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	1	0.32
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	1	0.32
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	13	0.32
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	13	0.32
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	13	0.32
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	13	0.32
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	13	0.32
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	13	0.32
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	13	0.32
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	13	0.32
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	13	0.32
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	13	0.32
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	13	0.32
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB2	4	0.32
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB3	4	0.32
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	4	0.32
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	4	0.32
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	4	0.32
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	9	0.32
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	9	0.32
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	9	0.32
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	15	0.32
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	15	0.32
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	15	0.32
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	16	0.32
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	16	0.32
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	16	0.32
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	19	0.32
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	19	0.32
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	19	0.32
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	6	0.32
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	6	0.32
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	6	0.32
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD21	5	0.32
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD22	5	0.32
(1,1023)	1:72:A:LEU:H	1:75:A:LEU:HD23	5	0.32
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD21	4	0.32
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD22	4	0.32
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD23	4	0.32
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD21	17	0.32
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD22	17	0.32
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD23	17	0.32
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD21	17	0.32
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD22	17	0.32
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD23	17	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	7	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	7	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	7	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	12	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	12	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	12	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	16	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	16	0.32
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	4	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	4	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	4	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	10	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	10	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	10	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	11	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	11	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	11	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	16	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	16	0.32
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	16	0.32
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	4	0.32
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	4	0.32
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	4	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	4	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	4	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	4	0.32
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	11	0.32
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	11	0.32
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	11	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	11	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	11	0.32
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	11	0.32
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	17	0.32
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	17	0.32
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	17	0.32
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	20	0.32
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	20	0.32
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	20	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	1	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	1	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	1	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	18	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	18	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	18	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	20	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	20	0.32
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	20	0.32
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	2	0.32
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	2	0.32
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	2	0.32
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	2	0.32
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	2	0.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	2	0.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	2	0.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	2	0.32
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	3	0.32
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	3	0.32
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	3	0.32
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	3	0.32
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	3	0.32
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	3	0.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	3	0.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	3	0.32
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	3	0.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	2	0.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	2	0.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	2	0.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	2	0.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	2	0.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	2	0.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	2	0.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	2	0.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	2	0.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	3	0.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	3	0.32
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	3	0.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	3	0.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	3	0.32
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	3	0.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	3	0.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	3	0.32
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	3	0.32
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	6	0.31
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	6	0.31
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	6	0.31
(1,2656)	1:56:A:TRP:HA	1:56:A:TRP:HD1	9	0.31
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	5	0.31
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	5	0.31
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	5	0.31
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	5	0.31
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	5	0.31
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	17	0.31
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	17	0.31
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	17	0.31
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	16	0.31
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	16	0.31
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	16	0.31
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	16	0.31
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	16	0.31
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	16	0.31
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG21	4	0.31
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG22	4	0.31
(1,2360)	1:132:A:VAL:HA	1:140:A:VAL:HG23	4	0.31
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	16	0.31
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	16	0.31
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	16	0.31
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	4	0.31
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	4	0.31
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	4	0.31
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	4	0.31
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	4	0.31
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	4	0.31
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	9	0.31
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	9	0.31
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	9	0.31
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	19	0.31
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	19	0.31
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	19	0.31
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	10	0.31
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	10	0.31
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	10	0.31
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	10	0.31
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	10	0.31
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	10	0.31
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD11	15	0.31
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD12	15	0.31
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD13	15	0.31
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	6	0.31
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	6	0.31
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	6	0.31
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	8	0.31
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	8	0.31
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	19	0.31
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	19	0.31
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	19	0.31
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	4	0.31
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	4	0.31
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	4	0.31
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	4	0.31
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	4	0.31
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	4	0.31
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	10	0.31
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	10	0.31
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	10	0.31
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	10	0.31
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	10	0.31
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	10	0.31
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG21	19	0.31
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG22	19	0.31
(1,1743)	1:168:A:MET:H	1:116:A:VAL:HG23	19	0.31
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	1	0.31
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	1	0.31
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	1	0.31
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	20	0.31
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	20	0.31
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	20	0.31
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB2	16	0.31
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB3	16	0.31
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	19	0.31
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	19	0.31
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	19	0.31
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	5	0.31
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	5	0.31
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	5	0.31
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD21	14	0.31
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD22	14	0.31
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD23	14	0.31
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD21	14	0.31
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD22	14	0.31
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD23	14	0.31
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	4	0.31
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	4	0.31
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	16	0.31
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	16	0.31
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	16	0.31
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD21	14	0.31
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD22	14	0.31
(1,989)	1:105:A:HIS:HB2	1:84:A:LEU:HD23	14	0.31
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD21	14	0.31
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD22	14	0.31
(1,989)	1:105:A:HIS:HB3	1:84:A:LEU:HD23	14	0.31
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	14	0.31
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	14	0.31
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	14	0.31
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	17	0.31
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	17	0.31
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	17	0.31
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	11	0.31
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	11	0.31
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	11	0.31
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	11	0.31
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	11	0.31
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	11	0.31
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	11	0.31
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	11	0.31
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	11	0.31
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	5	0.31
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	5	0.31
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	5	0.31
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	5	0.31
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	5	0.31
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	5	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	2	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	2	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	2	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	6	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	6	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	6	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	18	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	18	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	18	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	20	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	20	0.31
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	19	0.31
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	19	0.31
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	19	0.31
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	19	0.31
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	19	0.31
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	19	0.31
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	9	0.31
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	9	0.31
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	9	0.31
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	11	0.31
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	11	0.31
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	11	0.31
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	5	0.31
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	5	0.31
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	5	0.31
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD11	8	0.31
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD12	8	0.31
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD13	8	0.31
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD11	8	0.31
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD12	8	0.31
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD13	8	0.31
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	5	0.31
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	5	0.31
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	5	0.31
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	5	0.31
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	5	0.31
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	5	0.31
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	5	0.31
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	5	0.31
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	5	0.31
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD11	17	0.31
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD12	17	0.31
(1,481)	1:157:A:ILE:HG21	1:144:A:LEU:HD13	17	0.31
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD11	17	0.31
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD12	17	0.31
(1,481)	1:157:A:ILE:HG22	1:144:A:LEU:HD13	17	0.31
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD11	17	0.31
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD12	17	0.31
(1,481)	1:157:A:ILE:HG23	1:144:A:LEU:HD13	17	0.31
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	17	0.31
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	17	0.31
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	12	0.31
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	12	0.31
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	12	0.31
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	12	0.31
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	12	0.31
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	12	0.31
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	12	0.31
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	12	0.31
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	12	0.31
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	9	0.31
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	9	0.31
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	9	0.31
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	9	0.31
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	9	0.31
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	9	0.31
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	9	0.31
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	9	0.31
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	9	0.31
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	9	0.31
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	9	0.31
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	9	0.31
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	9	0.31
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	9	0.31
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	9	0.31
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	9	0.31
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	9	0.31
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	9	0.31
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	4	0.31
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	4	0.31
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	4	0.31
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	4	0.31
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	4	0.31
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	4	0.31
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	17	0.31
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	17	0.31
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	17	0.31
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	10	0.3
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	10	0.3
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	10	0.3
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	8	0.3
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	8	0.3
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	14	0.3
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	14	0.3
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	14	0.3
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	14	0.3
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	14	0.3
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	14	0.3
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	3	0.3
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	3	0.3
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	3	0.3
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	3	0.3
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	3	0.3
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	3	0.3
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD11	18	0.3
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD12	18	0.3
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD13	18	0.3
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD11	18	0.3
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD12	18	0.3
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD13	18	0.3
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	1	0.3
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	1	0.3
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	1	0.3
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	1	0.3
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	1	0.3
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	1	0.3
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	8	0.3
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	8	0.3
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	8	0.3
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	5	0.3
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	5	0.3
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	5	0.3
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD11	15	0.3
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD12	15	0.3
(1,1869)	1:113:A:VAL:HG11	1:108:A:LEU:HD13	15	0.3
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD11	15	0.3
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD12	15	0.3
(1,1869)	1:113:A:VAL:HG12	1:108:A:LEU:HD13	15	0.3
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD11	15	0.3
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD12	15	0.3
(1,1869)	1:113:A:VAL:HG13	1:108:A:LEU:HD13	15	0.3
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	4	0.3
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	4	0.3
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	1	0.3
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	1	0.3
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	1	0.3
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	6	0.3
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	6	0.3
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	6	0.3
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	11	0.3
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	11	0.3
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	11	0.3
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	13	0.3
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	13	0.3
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	13	0.3
(1,1307)	1:35:A:LEU:HD11	1:35:A:LEU:HA	16	0.3
(1,1307)	1:35:A:LEU:HD12	1:35:A:LEU:HA	16	0.3
(1,1307)	1:35:A:LEU:HD13	1:35:A:LEU:HA	16	0.3
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	2	0.3
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	2	0.3
(1,1261)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	2	0.3
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	2	0.3
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	2	0.3
(1,1261)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	2	0.3
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD11	2	0.3
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD12	2	0.3
(1,1259)	1:149:A:GLN:HE21	1:152:A:LEU:HD13	2	0.3
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD11	2	0.3
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD12	2	0.3
(1,1259)	1:149:A:GLN:HE22	1:152:A:LEU:HD13	2	0.3
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	3	0.3
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	3	0.3
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	3	0.3
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	19	0.3
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	19	0.3
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	19	0.3
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	10	0.3
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	10	0.3
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	10	0.3
(1,919)	1:3:A:MET:HA	1:48:A:VAL:HB	15	0.3
(1,820)	1:48:A:VAL:HB	1:3:A:MET:HA	15	0.3
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	2	0.3
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	2	0.3
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	2	0.3
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	6	0.3
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	6	0.3
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	8	0.3
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	8	0.3
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	8	0.3
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	8	0.3
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	8	0.3
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	8	0.3
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	10	0.3
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	10	0.3
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	10	0.3
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	10	0.3
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	10	0.3
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	10	0.3
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	20	0.3
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	20	0.3
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	20	0.3
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	20	0.3
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	20	0.3
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	20	0.3
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	7	0.3
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	7	0.3
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	7	0.3
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD11	6	0.3
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD12	6	0.3
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD13	6	0.3
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD11	6	0.3
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD12	6	0.3
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD13	6	0.3
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	3	0.3
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	3	0.3
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	3	0.3
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	17	0.3
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	17	0.3
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	17	0.3
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	17	0.3
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	17	0.3
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	17	0.3
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	17	0.3
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	17	0.3
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	17	0.3
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	18	0.3
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	18	0.3
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	17	0.3
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	17	0.3
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	17	0.3
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	4	0.3
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	4	0.3
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	4	0.3
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD21	6	0.3
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD22	6	0.3
(1,344)	1:40:A:PRO:HB2	1:75:A:LEU:HD23	6	0.3
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD21	6	0.3
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD22	6	0.3
(1,344)	1:40:A:PRO:HB3	1:75:A:LEU:HD23	6	0.3
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	18	0.3
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	18	0.3
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	18	0.3
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	1	0.29
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	1	0.29
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	1	0.29
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	9	0.29
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	9	0.29
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	9	0.29
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	20	0.29
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	20	0.29
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	20	0.29
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	3	0.29
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	3	0.29
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	3	0.29
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	3	0.29
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	3	0.29
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	3	0.29
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	11	0.29
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	11	0.29
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	11	0.29
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	2	0.29
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	2	0.29
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	2	0.29
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	2	0.29
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	2	0.29
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	2	0.29
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	2	0.29
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	2	0.29
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	2	0.29
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	2	0.29
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	2	0.29
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	7	0.29
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	7	0.29
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	7	0.29
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	2	0.29
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	2	0.29
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	2	0.29
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	2	0.29
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	2	0.29
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	2	0.29
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	15	0.29
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	15	0.29
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	15	0.29
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD11	14	0.29
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD12	14	0.29
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD13	14	0.29
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD11	14	0.29
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD12	14	0.29
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD13	14	0.29
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	4	0.29
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	4	0.29
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	4	0.29
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	3	0.29
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	3	0.29
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	3	0.29
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	3	0.29
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	3	0.29
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	3	0.29
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	1	0.29
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	1	0.29
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	1	0.29
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	4	0.29
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	4	0.29
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	4	0.29
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	13	0.29
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	13	0.29
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	13	0.29
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	8	0.29
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	8	0.29
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	15	0.29
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	15	0.29
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	15	0.29
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	2	0.29
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	2	0.29
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	2	0.29
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	10	0.29
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	10	0.29
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	10	0.29
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	10	0.29
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	10	0.29
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	10	0.29
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	10	0.29
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	10	0.29
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	10	0.29
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	1	0.29
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	1	0.29
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	1	0.29
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	3	0.29
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	3	0.29
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	3	0.29
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	3	0.29
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	3	0.29
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	3	0.29
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	16	0.28
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	16	0.28
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	16	0.28
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	1	0.28
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	1	0.28
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	1	0.28
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	15	0.28
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	15	0.28
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	15	0.28
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	15	0.28
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	15	0.28
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	15	0.28
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG21	17	0.28
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG22	17	0.28
(1,2358)	1:105:A:HIS:HE1	1:140:A:VAL:HG23	17	0.28
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	8	0.28
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	8	0.28
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	17	0.28
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	17	0.28
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	17	0.28
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB2	4	0.28
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB3	4	0.28
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB2	7	0.28
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB3	7	0.28
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD21	19	0.28
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD22	19	0.28
(1,2061)	1:77:A:LEU:HG	1:75:A:LEU:HD23	19	0.28
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	17	0.28
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	17	0.28
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	17	0.28
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	6	0.28
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	6	0.28
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	6	0.28
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	15	0.28
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	15	0.28
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	15	0.28
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	16	0.28
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	16	0.28
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	16	0.28
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	18	0.28
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	18	0.28
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	18	0.28
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	6	0.28
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	6	0.28
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	6	0.28
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	6	0.28
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	6	0.28
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	6	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	5	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	5	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	5	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	7	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	7	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	7	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	11	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	11	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	12	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	12	0.28
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	12	0.28
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	20	0.28
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	20	0.28
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	20	0.28
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	20	0.28
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	20	0.28
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	20	0.28
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	20	0.28
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	20	0.28
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	20	0.28
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	18	0.28
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	18	0.28
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	18	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	2	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	2	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	2	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	2	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	2	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	2	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	4	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	4	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	4	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	4	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	4	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	4	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	20	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	20	0.28
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	20	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	20	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	20	0.28
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	20	0.28
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	5	0.28
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	5	0.28
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	5	0.28
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	14	0.28
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	14	0.28
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	14	0.28
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	10	0.28
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	10	0.28
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	10	0.28
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	10	0.28
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	10	0.28
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	5	0.28
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	5	0.28
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	5	0.28
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	5	0.28
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	5	0.28
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	5	0.28
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	5	0.28
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	5	0.28
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	5	0.28
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	13	0.28
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	13	0.28
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	13	0.28
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	20	0.28
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	20	0.28
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	20	0.28
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	11	0.28
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	11	0.28
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	11	0.28
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	14	0.28
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	14	0.28
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	14	0.28
(1,3131)	1:98:A:LEU:HD11	1:88:A:GLY:H	19	0.27
(1,3131)	1:98:A:LEU:HD12	1:88:A:GLY:H	19	0.27
(1,3131)	1:98:A:LEU:HD13	1:88:A:GLY:H	19	0.27
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	8	0.27
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	8	0.27
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	8	0.27
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD11	10	0.27
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD12	10	0.27
(1,2447)	1:156:A:ARG:H	1:144:A:LEU:HD13	10	0.27
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG11	13	0.27
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG12	13	0.27
(1,2328)	1:115:A:PHE:HA	1:116:A:VAL:HG13	13	0.27
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	13	0.27
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	13	0.27
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	13	0.27
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG11	2	0.27
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG12	2	0.27
(1,2303)	1:112:A:GLY:H	1:113:A:VAL:HG13	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	7	0.27
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	7	0.27
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	7	0.27
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	7	0.27
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	7	0.27
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	7	0.27
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	11	0.27
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	11	0.27
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	11	0.27
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	11	0.27
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	11	0.27
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	11	0.27
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	4	0.27
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	4	0.27
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	4	0.27
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	4	0.27
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	4	0.27
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	4	0.27
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	4	0.27
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	4	0.27
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	4	0.27
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	4	0.27
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	4	0.27
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	4	0.27
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB2	5	0.27
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB3	5	0.27
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD11	1	0.27
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD12	1	0.27
(1,1996)	1:108:A:LEU:H	1:108:A:LEU:HD13	1	0.27
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	12	0.27
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	12	0.27
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	12	0.27
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD11	15	0.27
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD12	15	0.27
(1,1891)	1:87:A:LEU:H	1:87:A:LEU:HD13	15	0.27
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	5	0.27
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	5	0.27
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	5	0.27
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	10	0.27
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	10	0.27
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	10	0.27
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	19	0.27
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	19	0.27
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD21	6	0.27
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD22	6	0.27
(1,1756)	1:6:A:PHE:HE1	1:72:A:LEU:HD23	6	0.27
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD21	6	0.27
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD22	6	0.27
(1,1756)	1:6:A:PHE:HE2	1:72:A:LEU:HD23	6	0.27
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	2	0.27
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	2	0.27
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	2	0.27
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	17	0.27
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	17	0.27
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	17	0.27
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	19	0.27
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	19	0.27
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	19	0.27
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG21	11	0.27
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG22	11	0.27
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG23	11	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	1	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	1	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	1	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	3	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	3	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	3	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	8	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	8	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	8	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	9	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	9	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	9	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	15	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	15	0.27
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	15	0.27
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	8	0.27
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	8	0.27
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	17	0.27
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	17	0.27
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	17	0.27
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	19	0.27
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	19	0.27
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	18	0.27
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	18	0.27
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	18	0.27
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG21	14	0.27
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG22	14	0.27
(1,648)	1:5:A:LEU:HD11	1:50:A:ILE:HG23	14	0.27
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG21	14	0.27
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG22	14	0.27
(1,648)	1:5:A:LEU:HD12	1:50:A:ILE:HG23	14	0.27
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG21	14	0.27
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG22	14	0.27
(1,648)	1:5:A:LEU:HD13	1:50:A:ILE:HG23	14	0.27
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG11	5	0.27
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG12	5	0.27
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG13	5	0.27
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG11	5	0.27
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG12	5	0.27
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG13	5	0.27
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG11	5	0.27
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG12	5	0.27
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG13	5	0.27
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG11	5	0.27
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG12	5	0.27
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG13	5	0.27
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG11	5	0.27
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG12	5	0.27
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG13	5	0.27
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG11	5	0.27
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG12	5	0.27
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG13	5	0.27
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	2	0.27
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	2	0.27
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	2	0.27
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	2	0.27
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	2	0.27
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	2	0.27
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	2	0.27
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	2	0.27
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	2	0.27
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	17	0.27
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	17	0.27
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	17	0.27
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	17	0.27
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	17	0.27
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	9	0.27
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	9	0.27
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	9	0.27
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	12	0.27
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	12	0.27
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	12	0.27
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	12	0.27
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	12	0.27
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	12	0.27
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	12	0.27
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	12	0.27
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	12	0.27
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	5	0.27
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	5	0.27
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	5	0.27
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	12	0.27
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	12	0.27
(1,419)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	12	0.27
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	12	0.27
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	12	0.27
(1,419)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	12	0.27
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	12	0.27
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	12	0.27
(1,419)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	12	0.27
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	3	0.27
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	3	0.27
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	3	0.27
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	10	0.27
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	10	0.27
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	10	0.27
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD21	12	0.27
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD22	12	0.27
(1,403)	1:75:A:LEU:HD21	1:72:A:LEU:HD23	12	0.27
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD21	12	0.27
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD22	12	0.27
(1,403)	1:75:A:LEU:HD22	1:72:A:LEU:HD23	12	0.27
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD21	12	0.27
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD22	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:75:A:LEU:HD23	1:72:A:LEU:HD23	12	0.27
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	2	0.27
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	2	0.27
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	2	0.27
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	3	0.26
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	3	0.26
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	3	0.26
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	9	0.26
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	9	0.26
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	9	0.26
(1,2933)	1:65:A:TRP:HD1	1:52:A:GLY:H	13	0.26
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	20	0.26
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	20	0.26
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	20	0.26
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	20	0.26
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	20	0.26
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	20	0.26
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	19	0.26
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	19	0.26
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	19	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	4	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	4	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	4	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	4	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	4	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	4	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	5	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	5	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	5	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	5	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	5	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	5	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	9	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	9	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	9	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	9	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	9	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	9	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	12	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	12	0.26
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	12	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	12	0.26
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	12	0.26
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	6	0.26
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	6	0.26
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	6	0.26
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	6	0.26
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	6	0.26
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	6	0.26
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	6	0.26
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	6	0.26
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	6	0.26
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	6	0.26
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	6	0.26
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	6	0.26
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB2	12	0.26
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB3	12	0.26
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	11	0.26
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	11	0.26
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	11	0.26
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	9	0.26
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	9	0.26
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	9	0.26
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	17	0.26
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	17	0.26
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	17	0.26
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	4	0.26
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	4	0.26
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	4	0.26
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	14	0.26
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	14	0.26
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	14	0.26
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	19	0.26
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	19	0.26
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	19	0.26
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	19	0.26
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	19	0.26
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	19	0.26
(1,1837)	1:113:A:VAL:HG11	1:82:A:VAL:HB	15	0.26
(1,1837)	1:113:A:VAL:HG12	1:82:A:VAL:HB	15	0.26
(1,1837)	1:113:A:VAL:HG13	1:82:A:VAL:HB	15	0.26
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	5	0.26
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	5	0.26
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	5	0.26
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	5	0.26
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	5	0.26
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	20	0.26
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	20	0.26
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	20	0.26
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	3	0.26
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	3	0.26
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	3	0.26
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	12	0.26
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	12	0.26
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	12	0.26
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	1	0.26
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	1	0.26
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	1	0.26
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	2	0.26
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	2	0.26
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	2	0.26
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	2	0.26
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	2	0.26
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	2	0.26
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD21	18	0.26
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD22	18	0.26
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD23	18	0.26
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	3	0.26
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	3	0.26
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	3	0.26
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	8	0.26
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	8	0.26
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	8	0.26
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG11	17	0.26
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG12	17	0.26
(1,575)	1:132:A:VAL:H	1:132:A:VAL:HG13	17	0.26
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD11	16	0.26
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD12	16	0.26
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD13	16	0.26
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD11	16	0.26
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD12	16	0.26
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD13	16	0.26
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	7	0.26
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	7	0.26
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	7	0.26
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	7	0.26
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	7	0.26
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	4	0.26
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	4	0.26
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	4	0.26
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	4	0.26
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	4	0.26
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	4	0.26
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	4	0.26
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	4	0.26
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	4	0.26
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	19	0.26
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	19	0.26
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	19	0.26
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	20	0.26
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	20	0.26
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	20	0.26
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	3	0.25
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	3	0.25
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	3	0.25
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	3	0.25
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	3	0.25
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	3	0.25
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	3	0.25
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	3	0.25
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	3	0.25
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	3	0.25
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	3	0.25
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	3	0.25
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	18	0.25
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	18	0.25
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	18	0.25
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	18	0.25
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	18	0.25
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	18	0.25
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	18	0.25
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	18	0.25
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	18	0.25
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	18	0.25
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	18	0.25
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	12	0.25
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	12	0.25
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	12	0.25
(1,3154)	1:84:A:LEU:HD21	1:105:A:HIS:H	17	0.25
(1,3154)	1:84:A:LEU:HD22	1:105:A:HIS:H	17	0.25
(1,3154)	1:84:A:LEU:HD23	1:105:A:HIS:H	17	0.25
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	13	0.25
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	13	0.25
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	13	0.25
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	3	0.25
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	3	0.25
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	3	0.25
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	3	0.25
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	3	0.25
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	3	0.25
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	3	0.25
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	3	0.25
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	3	0.25
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	3	0.25
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	3	0.25
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	3	0.25
(1,2229)	1:101:A:LEU:HD11	1:101:A:LEU:HA	1	0.25
(1,2229)	1:101:A:LEU:HD12	1:101:A:LEU:HA	1	0.25
(1,2229)	1:101:A:LEU:HD13	1:101:A:LEU:HA	1	0.25
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	10	0.25
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	10	0.25
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	10	0.25
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	17	0.25
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	17	0.25
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	17	0.25
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	18	0.25
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	18	0.25
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	18	0.25
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	5	0.25
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	5	0.25
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	5	0.25
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	5	0.25
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	5	0.25
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	5	0.25
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	11	0.25
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	11	0.25
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	14	0.25
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	14	0.25
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	14	0.25
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD11	12	0.25
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD12	12	0.25
(1,1892)	1:144:A:LEU:H	1:87:A:LEU:HD13	12	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	12	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	12	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	12	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	17	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	17	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	17	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	20	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	20	0.25
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	20	0.25
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	15	0.25
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	15	0.25
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	15	0.25
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	15	0.25
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	15	0.25
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	15	0.25
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	19	0.25
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	19	0.25
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	19	0.25
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	19	0.25
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	19	0.25
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	19	0.25
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	4	0.25
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	4	0.25
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	4	0.25
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	2	0.25
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	2	0.25
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	2	0.25
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	5	0.25
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	5	0.25
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	5	0.25
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD21	17	0.25
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD22	17	0.25
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD23	17	0.25
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	5	0.25
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	5	0.25
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	5	0.25
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	5	0.25
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	5	0.25
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD21	10	0.25
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD22	10	0.25
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD23	10	0.25
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD21	10	0.25
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD22	10	0.25
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD23	10	0.25
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	8	0.25
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	8	0.25
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	8	0.25
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	18	0.25
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	18	0.25
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	18	0.25
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	1	0.25
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	1	0.25
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	1	0.25
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	7	0.25
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	7	0.25
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	7	0.25
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	7	0.25
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	2	0.25
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	2	0.25
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	2	0.25
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	15	0.25
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	15	0.25
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	15	0.25
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG21	20	0.25
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG22	20	0.25
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG23	20	0.25
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG21	20	0.25
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG22	20	0.25
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG23	20	0.25
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	8	0.25
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	8	0.25
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	8	0.25
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	8	0.25
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	8	0.25
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	8	0.25
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	2	0.25
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	2	0.25
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	4	0.25
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	4	0.25
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	4	0.25
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	7	0.24
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	7	0.24
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	18	0.24
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	18	0.24
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	18	0.24
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	7	0.24
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	7	0.24
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	7	0.24
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	18	0.24
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	18	0.24
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	18	0.24
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	4	0.24
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	4	0.24
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	4	0.24
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	2	0.24
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	2	0.24
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	2	0.24
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	2	0.24
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	2	0.24
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	2	0.24
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	20	0.24
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	20	0.24
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	20	0.24
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	20	0.24
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	20	0.24
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	20	0.24
(1,2231)	1:104:A:LEU:HD11	1:108:A:LEU:HA	1	0.24
(1,2231)	1:104:A:LEU:HD12	1:108:A:LEU:HA	1	0.24
(1,2231)	1:104:A:LEU:HD13	1:108:A:LEU:HA	1	0.24
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB2	10	0.24
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB3	10	0.24
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB2	18	0.24
(1,2106)	1:168:A:MET:H	1:166:A:ASN:HB3	18	0.24
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG11	6	0.24
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG12	6	0.24
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG13	6	0.24
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	16	0.24
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	16	0.24
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD11	19	0.24
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD12	19	0.24
(1,1959)	1:101:A:LEU:HG	1:98:A:LEU:HD13	19	0.24
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	17	0.24
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	17	0.24
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	17	0.24
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	17	0.24
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	17	0.24
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	17	0.24
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	9	0.24
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	9	0.24
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	9	0.24
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	9	0.24
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	9	0.24
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	9	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	7	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	7	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	7	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	9	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	9	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	9	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	13	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	13	0.24
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	13	0.24
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	17	0.24
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	17	0.24
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	17	0.24
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	17	0.24
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	17	0.24
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	17	0.24
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	10	0.24
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	10	0.24
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	10	0.24
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	2	0.24
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	2	0.24
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	2	0.24
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	19	0.24
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	19	0.24
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	19	0.24
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	19	0.24
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	19	0.24
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	5	0.24
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	5	0.24
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	5	0.24
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	13	0.24
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	13	0.24
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	13	0.24
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	1	0.24
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	1	0.24
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	1	0.24
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	9	0.24
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	9	0.24
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	9	0.24
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	12	0.24
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	12	0.24
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	12	0.24
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	5	0.24
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	5	0.24
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	5	0.24
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	6	0.23
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	6	0.23
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	6	0.23
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	16	0.23
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	16	0.23
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	16	0.23
(1,3559)	1:113:A:VAL:HG21	1:111:A:LYS:H	1	0.23
(1,3559)	1:113:A:VAL:HG22	1:111:A:LYS:H	1	0.23
(1,3559)	1:113:A:VAL:HG23	1:111:A:LYS:H	1	0.23
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	11	0.23
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	11	0.23
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	11	0.23
(1,2875)	1:49:A:LEU:HD11	1:46:A:TYR:H	19	0.23
(1,2875)	1:49:A:LEU:HD12	1:46:A:TYR:H	19	0.23
(1,2875)	1:49:A:LEU:HD13	1:46:A:TYR:H	19	0.23
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	6	0.23
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	6	0.23
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	6	0.23
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	10	0.23
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	10	0.23
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	10	0.23
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	10	0.23
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	10	0.23
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	16	0.23
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	16	0.23
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	16	0.23
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	6	0.23
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	6	0.23
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	6	0.23
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	14	0.23
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	14	0.23
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	14	0.23
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	19	0.23
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	19	0.23
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	19	0.23
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	19	0.23
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	19	0.23
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	19	0.23
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	19	0.23
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	19	0.23
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	19	0.23
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	14	0.23
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	14	0.23
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	14	0.23
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	14	0.23
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	14	0.23
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	14	0.23
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	17	0.23
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	17	0.23
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	17	0.23
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	17	0.23
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	17	0.23
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	17	0.23
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	4	0.23
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	4	0.23
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	4	0.23
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	4	0.23
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	4	0.23
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	4	0.23
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	20	0.23
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	20	0.23
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	20	0.23
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	20	0.23
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	20	0.23
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	15	0.23
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	15	0.23
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	15	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	2	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	2	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	2	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	3	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	3	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	3	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD11	11	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD12	11	0.23
(1,1871)	1:108:A:LEU:HA	1:108:A:LEU:HD13	11	0.23
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	19	0.23
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	19	0.23
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	19	0.23
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	19	0.23
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	19	0.23
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	19	0.23
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	10	0.23
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	10	0.23
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	10	0.23
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	10	0.23
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	10	0.23
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	10	0.23
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	10	0.23
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	10	0.23
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	10	0.23
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	9	0.23
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	9	0.23
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	9	0.23
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	17	0.23
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	17	0.23
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	17	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	8	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	8	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	8	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	8	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	8	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	8	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	8	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	8	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	8	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	8	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	8	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	19	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	19	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	19	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	19	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	19	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	19	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	19	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	19	0.23
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	19	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	19	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	19	0.23
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	19	0.23
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	8	0.23
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	8	0.23
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	8	0.23
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	8	0.23
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	8	0.23
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	8	0.23
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	13	0.23
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	13	0.23
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	13	0.23
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	13	0.23
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	13	0.23
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	13	0.23
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	10	0.23
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	10	0.23
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	10	0.23
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	13	0.23
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	13	0.23
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	13	0.23
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD21	7	0.23
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD22	7	0.23
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD23	7	0.23
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	10	0.23
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	10	0.23
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	10	0.23
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG11	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG12	9	0.23
(1,636)	1:116:A:VAL:H	1:116:A:VAL:HG13	9	0.23
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG11	2	0.23
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG12	2	0.23
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG13	2	0.23
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG11	2	0.23
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG12	2	0.23
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG13	2	0.23
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG11	2	0.23
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG12	2	0.23
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG13	2	0.23
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG11	2	0.23
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG12	2	0.23
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG13	2	0.23
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG11	2	0.23
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG12	2	0.23
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG13	2	0.23
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG11	2	0.23
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG12	2	0.23
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG13	2	0.23
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	2	0.23
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	2	0.23
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	2	0.23
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	2	0.23
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	2	0.23
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	2	0.23
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	9	0.23
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	9	0.23
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	9	0.23
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	9	0.23
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	9	0.23
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	9	0.23
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD11	14	0.23
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD12	14	0.23
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD13	14	0.23
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD11	14	0.23
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD12	14	0.23
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD13	14	0.23
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	10	0.23
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	10	0.23
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	10	0.23
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	10	0.23
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	10	0.23
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	17	0.23
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	17	0.23
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	17	0.23
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	17	0.23
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	17	0.23
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	17	0.23
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	4	0.23
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	4	0.23
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	4	0.23
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	19	0.23
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	19	0.23
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	19	0.23
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	19	0.23
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	19	0.23
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	19	0.23
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	19	0.23
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	19	0.23
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	19	0.23
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	11	0.23
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	11	0.23
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	11	0.23
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	11	0.23
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	11	0.23
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	11	0.23
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	12	0.23
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	12	0.23
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	12	0.23
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	12	0.23
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	12	0.23
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	12	0.23
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	20	0.23
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	20	0.23
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	20	0.23
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	19	0.23
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	19	0.23
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	19	0.23
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	19	0.23
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	19	0.23
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	19	0.23
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	14	0.22
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	16	0.22
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	16	0.22
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	12	0.22
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	12	0.22
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	12	0.22
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	8	0.22
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	8	0.22
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	8	0.22
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	8	0.22
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	8	0.22
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	8	0.22
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	8	0.22
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	8	0.22
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	8	0.22
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	8	0.22
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	8	0.22
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	8	0.22
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	19	0.22
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	19	0.22
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	19	0.22
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	19	0.22
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	19	0.22
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	19	0.22
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	19	0.22
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	19	0.22
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	19	0.22
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	19	0.22
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	19	0.22
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	19	0.22
(1,3154)	1:84:A:LEU:HD21	1:105:A:HIS:H	10	0.22
(1,3154)	1:84:A:LEU:HD22	1:105:A:HIS:H	10	0.22
(1,3154)	1:84:A:LEU:HD23	1:105:A:HIS:H	10	0.22
(1,2615)	1:91:A:LEU:HD11	1:91:A:LEU:HA	7	0.22
(1,2615)	1:91:A:LEU:HD12	1:91:A:LEU:HA	7	0.22
(1,2615)	1:91:A:LEU:HD13	1:91:A:LEU:HA	7	0.22
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	9	0.22
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	9	0.22
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	9	0.22
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	7	0.22
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	7	0.22
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	1	0.22
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	1	0.22
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	1	0.22
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	7	0.22
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	7	0.22
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	7	0.22
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	7	0.22
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	7	0.22
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	7	0.22
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	7	0.22
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	7	0.22
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	7	0.22
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	7	0.22
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	7	0.22
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	7	0.22
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	9	0.22
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	9	0.22
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	9	0.22
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	9	0.22
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	9	0.22
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	9	0.22
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	9	0.22
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	9	0.22
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	9	0.22
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	9	0.22
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	9	0.22
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	9	0.22
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	14	0.22
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	14	0.22
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG11	19	0.22
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG12	19	0.22
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG13	19	0.22
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	2	0.22
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	2	0.22
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	2	0.22
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	2	0.22
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	2	0.22
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	2	0.22
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	13	0.22
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	13	0.22
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	13	0.22
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	13	0.22
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	13	0.22
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD11	6	0.22
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD12	6	0.22
(1,1740)	1:41:A:LYS:HE2	1:75:A:LEU:HD13	6	0.22
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD11	6	0.22
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD12	6	0.22
(1,1740)	1:41:A:LYS:HE3	1:75:A:LEU:HD13	6	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	1	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	1	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	1	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	1	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	1	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	1	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	3	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	3	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	3	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	3	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	3	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	3	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	4	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	4	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	4	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	4	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	4	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	4	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	12	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	12	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	12	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	12	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	12	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	12	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	18	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	18	0.22
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	18	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	18	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	18	0.22
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	18	0.22
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD21	10	0.22
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD22	10	0.22
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD23	10	0.22
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD21	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD22	8	0.22
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD23	8	0.22
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD21	8	0.22
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD22	8	0.22
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD23	8	0.22
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	7	0.22
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	7	0.22
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	7	0.22
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	13	0.22
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	13	0.22
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	13	0.22
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	5	0.22
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	5	0.22
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	5	0.22
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD11	17	0.22
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD12	17	0.22
(1,529)	1:77:A:LEU:HA	1:77:A:LEU:HD13	17	0.22
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD11	15	0.22
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD12	15	0.22
(1,527)	1:80:A:LYS:HG2	1:77:A:LEU:HD13	15	0.22
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD11	15	0.22
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD12	15	0.22
(1,527)	1:80:A:LYS:HG3	1:77:A:LEU:HD13	15	0.22
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	13	0.22
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	13	0.22
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	13	0.22
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	5	0.22
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	5	0.22
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	5	0.22
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	10	0.22
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	10	0.22
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	10	0.22
(1,155)	1:77:A:LEU:HD11	1:77:A:LEU:HA	17	0.22
(1,155)	1:77:A:LEU:HD12	1:77:A:LEU:HA	17	0.22
(1,155)	1:77:A:LEU:HD13	1:77:A:LEU:HA	17	0.22
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	5	0.22
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	5	0.22
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	5	0.22
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	10	0.22
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	10	0.22
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	10	0.22
(2,69)	1:87:A:LEU:H	1:85:A:TYR:H	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	6	0.21
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	6	0.21
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	20	0.21
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	20	0.21
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	20	0.21
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	17	0.21
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	17	0.21
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	17	0.21
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	17	0.21
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	17	0.21
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	17	0.21
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	17	0.21
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	17	0.21
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	17	0.21
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	17	0.21
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	17	0.21
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	17	0.21
(1,3190)	1:95:A:GLU:H	1:94:A:GLY:H	1	0.21
(1,3154)	1:84:A:LEU:HD21	1:105:A:HIS:H	14	0.21
(1,3154)	1:84:A:LEU:HD22	1:105:A:HIS:H	14	0.21
(1,3154)	1:84:A:LEU:HD23	1:105:A:HIS:H	14	0.21
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	14	0.21
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	14	0.21
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	14	0.21
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	14	0.21
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	1	0.21
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	1	0.21
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	1	0.21
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	2	0.21
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	2	0.21
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	2	0.21
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	11	0.21
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	11	0.21
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	11	0.21
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	8	0.21
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	8	0.21
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	8	0.21
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	18	0.21
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	18	0.21
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	18	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	8	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	8	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	8	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	8	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	8	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	13	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	13	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	13	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	13	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	13	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	13	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	16	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	16	0.21
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	16	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	16	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	16	0.21
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	16	0.21
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	8	0.21
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	8	0.21
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	8	0.21
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	15	0.21
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	15	0.21
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	15	0.21
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	11	0.21
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	11	0.21
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	11	0.21
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	9	0.21
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	9	0.21
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	9	0.21
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD21	14	0.21
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD22	14	0.21
(1,1411)	1:105:A:HIS:H	1:84:A:LEU:HD23	14	0.21
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	18	0.21
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	18	0.21
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	18	0.21
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	10	0.21
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	10	0.21
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	10	0.21
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	10	0.21
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	10	0.21
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	10	0.21
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	10	0.21
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	10	0.21
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	3	0.21
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	3	0.21
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	3	0.21
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	3	0.21
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	3	0.21
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	3	0.21
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	3	0.21
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	3	0.21
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	3	0.21
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	3	0.21
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	3	0.21
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	3	0.21
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	10	0.21
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	10	0.21
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	10	0.21
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	10	0.21
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	10	0.21
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	10	0.21
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	4	0.21
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	4	0.21
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	4	0.21
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD21	16	0.21
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD22	16	0.21
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD23	16	0.21
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	9	0.21
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	9	0.21
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	9	0.21
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG11	12	0.21
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG12	12	0.21
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG13	12	0.21
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG11	12	0.21
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG12	12	0.21
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG13	12	0.21
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG11	12	0.21
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG12	12	0.21
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG13	12	0.21
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG11	12	0.21
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG12	12	0.21
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG13	12	0.21
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG11	12	0.21
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG12	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG13	12	0.21
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG11	12	0.21
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG12	12	0.21
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG13	12	0.21
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	15	0.21
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	15	0.21
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	15	0.21
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	15	0.21
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	15	0.21
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	15	0.21
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	15	0.21
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	15	0.21
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	15	0.21
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	7	0.21
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	7	0.21
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	7	0.21
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	7	0.21
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	7	0.21
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	7	0.21
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	13	0.21
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	13	0.21
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	13	0.21
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	13	0.21
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	13	0.21
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	13	0.21
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	13	0.21
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	13	0.21
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	13	0.21
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	13	0.21
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	13	0.21
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	13	0.21
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	14	0.21
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	14	0.21
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	14	0.21
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	14	0.21
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	14	0.21
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	14	0.21
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	13	0.21
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	13	0.21
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	13	0.21
(2,69)	1:87:A:LEU:H	1:85:A:TYR:H	7	0.2
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	4	0.2
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	4	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	2	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	2	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	2	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	2	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	2	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	2	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	2	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	2	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	2	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	2	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	2	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	2	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	10	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	10	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	10	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	10	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	10	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	10	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	10	0.2
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	10	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	10	0.2
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	10	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	10	0.2
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	10	0.2
(1,3559)	1:113:A:VAL:HG21	1:111:A:LYS:H	18	0.2
(1,3559)	1:113:A:VAL:HG22	1:111:A:LYS:H	18	0.2
(1,3559)	1:113:A:VAL:HG23	1:111:A:LYS:H	18	0.2
(1,3557)	1:166:A:ASN:HD21	1:165:A:LEU:H	4	0.2
(1,3557)	1:166:A:ASN:HD22	1:165:A:LEU:H	4	0.2
(1,3557)	1:166:A:ASN:HD21	1:165:A:LEU:H	5	0.2
(1,3557)	1:166:A:ASN:HD22	1:165:A:LEU:H	5	0.2
(1,3557)	1:166:A:ASN:HD21	1:165:A:LEU:H	12	0.2
(1,3557)	1:166:A:ASN:HD22	1:165:A:LEU:H	12	0.2
(1,3020)	1:91:A:LEU:HG	1:91:A:LEU:H	19	0.2
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	13	0.2
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	13	0.2
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	13	0.2
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	1	0.2
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	1	0.2
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	1	0.2
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	1	0.2
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	1	0.2
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	1	0.2
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	1	0.2
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	1	0.2
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	11	0.2
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	11	0.2
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	11	0.2
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	12	0.2
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	12	0.2
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	12	0.2
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	12	0.2
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	12	0.2
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	12	0.2
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	4	0.2
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	4	0.2
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	4	0.2
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG11	8	0.2
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG12	8	0.2
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG13	8	0.2
(1,1857)	1:107:A:LYS:HA	1:107:A:LYS:HG2	16	0.2
(1,1857)	1:107:A:LYS:HA	1:107:A:LYS:HG3	16	0.2
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	1	0.2
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	1	0.2
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	1	0.2
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	1	0.2
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	1	0.2
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	1	0.2
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	12	0.2
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	12	0.2
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	12	0.2
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	12	0.2
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	12	0.2
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	12	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	3	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	3	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	3	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	3	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	3	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	3	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	3	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	3	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	3	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	3	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	3	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	11	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	11	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	11	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	11	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	11	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	11	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	11	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	11	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	11	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	11	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	11	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	11	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	13	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	13	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	13	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	13	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	13	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	13	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	13	0.2
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	13	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	13	0.2
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	13	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	13	0.2
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	13	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	2	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	2	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	2	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	2	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	2	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	2	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	7	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	7	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	7	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	7	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	7	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	7	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	9	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	9	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	9	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	9	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	9	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	11	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	11	0.2
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	11	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	11	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	11	0.2
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	11	0.2
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	18	0.2
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	18	0.2
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	18	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	1	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	1	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	1	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	1	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	1	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	1	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	1	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	1	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	1	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	1	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	1	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	1	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	18	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	18	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	18	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	18	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	18	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	18	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	18	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	18	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	18	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	18	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	18	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	18	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	20	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	20	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	20	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	20	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	20	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	20	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	20	0.2
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	20	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	20	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	20	0.2
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	20	0.2
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	17	0.2
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	17	0.2
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	17	0.2
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG21	7	0.2
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG22	7	0.2
(1,1237)	1:3:A:MET:HA	1:48:A:VAL:HG23	7	0.2
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	14	0.2
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	14	0.2
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	14	0.2
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD21	8	0.2
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD22	8	0.2
(1,1029)	1:87:A:LEU:H	1:87:A:LEU:HD23	8	0.2
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	13	0.2
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	13	0.2
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	13	0.2
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	13	0.2
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	3	0.2
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	3	0.2
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	10	0.2
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	10	0.2
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	18	0.2
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	18	0.2
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	20	0.2
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	20	0.2
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	19	0.2
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	19	0.2
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	19	0.2
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG11	9	0.2
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG12	9	0.2
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG13	9	0.2
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG11	9	0.2
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG12	9	0.2
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG13	9	0.2
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG11	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG12	9	0.2
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG13	9	0.2
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG11	9	0.2
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG12	9	0.2
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG13	9	0.2
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG11	9	0.2
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG12	9	0.2
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG13	9	0.2
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG11	9	0.2
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG12	9	0.2
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG13	9	0.2
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	7	0.2
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	7	0.2
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	7	0.2
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	7	0.2
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	7	0.2
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	7	0.2
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	7	0.2
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	7	0.2
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	7	0.2
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	2	0.2
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	2	0.2
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	2	0.2
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	7	0.2
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	7	0.2
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	7	0.2
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	6	0.2
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	6	0.2
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	6	0.2
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	10	0.2
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	10	0.2
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	10	0.2
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	8	0.2
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	8	0.2
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	8	0.2
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	19	0.2
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	19	0.2
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	19	0.2
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	12	0.2
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	12	0.2
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	12	0.2
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	12	0.2
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	12	0.2
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	6	0.2
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	6	0.2
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	6	0.2
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	17	0.19
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	17	0.19
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	5	0.19
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	5	0.19
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	5	0.19
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	5	0.19
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	5	0.19
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	5	0.19
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	5	0.19
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	5	0.19
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	5	0.19
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	5	0.19
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	5	0.19
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	5	0.19
(1,3559)	1:113:A:VAL:HG21	1:111:A:LYS:H	10	0.19
(1,3559)	1:113:A:VAL:HG22	1:111:A:LYS:H	10	0.19
(1,3559)	1:113:A:VAL:HG23	1:111:A:LYS:H	10	0.19
(1,3557)	1:166:A:ASN:HD21	1:165:A:LEU:H	7	0.19
(1,3557)	1:166:A:ASN:HD22	1:165:A:LEU:H	7	0.19
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	12	0.19
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	12	0.19
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	12	0.19
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	13	0.19
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	10	0.19
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	10	0.19
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	2	0.19
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	2	0.19
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	2	0.19
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	10	0.19
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	10	0.19
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	10	0.19
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	12	0.19
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	12	0.19
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	12	0.19
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	9	0.19
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	9	0.19
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	9	0.19
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	9	0.19
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	9	0.19
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	11	0.19
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	11	0.19
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	11	0.19
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	20	0.19
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	20	0.19
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	20	0.19
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD21	18	0.19
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD22	18	0.19
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD23	18	0.19
(1,2375)	1:127:A:THR:HA	1:127:A:THR:HB	2	0.19
(1,2375)	1:127:A:THR:HA	1:127:A:THR:HB	16	0.19
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	2	0.19
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	2	0.19
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	2	0.19
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	6	0.19
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	6	0.19
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	6	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	5	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	5	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	5	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	8	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	8	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	8	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	15	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	15	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	15	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	20	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	20	0.19
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	20	0.19
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	17	0.19
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	17	0.19
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB2	18	0.19
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB3	18	0.19
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB2	18	0.19
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB3	18	0.19
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG11	5	0.19
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG12	5	0.19
(1,2082)	1:126:A:PHE:HZ	1:132:A:VAL:HG13	5	0.19
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	16	0.19
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	16	0.19
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG21	2	0.19
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG22	2	0.19
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG23	2	0.19
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	20	0.19
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	20	0.19
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	20	0.19
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG11	13	0.19
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG12	13	0.19
(1,1847)	1:49:A:LEU:HB2	1:82:A:VAL:HG13	13	0.19
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG11	13	0.19
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG12	13	0.19
(1,1847)	1:49:A:LEU:HB3	1:82:A:VAL:HG13	13	0.19
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG11	5	0.19
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG12	5	0.19
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG13	5	0.19
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG11	15	0.19
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG12	15	0.19
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG13	15	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	2	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	2	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	2	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	2	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	2	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	2	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	2	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	2	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	2	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	2	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	2	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	2	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	5	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	5	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	5	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	5	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	5	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	5	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	5	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	5	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	5	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	5	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	5	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	12	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	12	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	12	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	12	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	12	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	12	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	12	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	12	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	12	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	12	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	12	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	12	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	17	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	17	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	17	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	17	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	17	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	17	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	17	0.19
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	17	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	17	0.19
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	17	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	17	0.19
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	17	0.19
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	5	0.19
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	5	0.19
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	5	0.19
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	5	0.19
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	5	0.19
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	5	0.19
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	1	0.19
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	1	0.19
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	1	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	9	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	9	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	9	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	9	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	9	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	9	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	9	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	9	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	9	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	9	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	9	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	11	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	11	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	11	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	11	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	11	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	11	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	11	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	11	0.19
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	11	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	11	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	11	0.19
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	11	0.19
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	19	0.19
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	19	0.19
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	19	0.19
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	14	0.19
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	14	0.19
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	14	0.19
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	18	0.19
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	18	0.19
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	18	0.19
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	5	0.19
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	5	0.19
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	12	0.19
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	12	0.19
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	16	0.19
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	16	0.19
(1,925)	1:152:A:LEU:HA	1:155:A:GLU:HG2	3	0.19
(1,925)	1:152:A:LEU:HA	1:155:A:GLU:HG3	3	0.19
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	10	0.19
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	10	0.19
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	1	0.19
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	1	0.19
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	1	0.19
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG11	20	0.19
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG12	20	0.19
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG13	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	1	0.19
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	1	0.19
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	1	0.19
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	1	0.19
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	1	0.19
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	1	0.19
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG21	14	0.19
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG22	14	0.19
(1,550)	1:40:A:PRO:HB2	1:68:A:VAL:HG23	14	0.19
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG21	14	0.19
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG22	14	0.19
(1,550)	1:40:A:PRO:HB3	1:68:A:VAL:HG23	14	0.19
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG11	15	0.19
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG12	15	0.19
(1,511)	1:82:A:VAL:H	1:82:A:VAL:HG13	15	0.19
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	18	0.19
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	18	0.19
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	18	0.19
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	16	0.19
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	16	0.19
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	16	0.19
(1,3557)	1:166:A:ASN:HD21	1:165:A:LEU:H	10	0.18
(1,3557)	1:166:A:ASN:HD22	1:165:A:LEU:H	10	0.18
(1,3557)	1:166:A:ASN:HD21	1:165:A:LEU:H	18	0.18
(1,3557)	1:166:A:ASN:HD22	1:165:A:LEU:H	18	0.18
(1,3553)	1:165:A:LEU:HG	1:165:A:LEU:H	14	0.18
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	7	0.18
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	17	0.18
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	17	0.18
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	17	0.18
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	7	0.18
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	19	0.18
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	19	0.18
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	8	0.18
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	8	0.18
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	8	0.18
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	15	0.18
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	15	0.18
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	15	0.18
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	2	0.18
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	2	0.18
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	2	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	1	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	1	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	1	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	10	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	10	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	10	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	15	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	15	0.18
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	15	0.18
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	6	0.18
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	6	0.18
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	6	0.18
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	6	0.18
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	6	0.18
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	6	0.18
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	12	0.18
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	12	0.18
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	12	0.18
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	12	0.18
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	12	0.18
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	12	0.18
(1,2375)	1:127:A:THR:HA	1:127:A:THR:HB	7	0.18
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	20	0.18
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	20	0.18
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	20	0.18
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	20	0.18
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	20	0.18
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	20	0.18
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	1	0.18
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	1	0.18
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	1	0.18
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	19	0.18
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	19	0.18
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	19	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	3	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	3	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	3	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	6	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	6	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	6	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	10	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	10	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	16	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	16	0.18
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	16	0.18
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD11	10	0.18
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD12	10	0.18
(1,2263)	1:107:A:LYS:HG2	1:104:A:LEU:HD13	10	0.18
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD11	10	0.18
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD12	10	0.18
(1,2263)	1:107:A:LYS:HG3	1:104:A:LEU:HD13	10	0.18
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	20	0.18
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	20	0.18
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB2	9	0.18
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB3	9	0.18
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB2	9	0.18
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB3	9	0.18
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD11	9	0.18
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD12	9	0.18
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD13	9	0.18
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	19	0.18
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	19	0.18
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	19	0.18
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD11	7	0.18
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD12	7	0.18
(1,1935)	1:147:A:THR:HB	1:91:A:LEU:HD13	7	0.18
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	20	0.18
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	20	0.18
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	20	0.18
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	20	0.18
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	20	0.18
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	20	0.18
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG11	2	0.18
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG12	2	0.18
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG13	2	0.18
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	7	0.18
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	7	0.18
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	7	0.18
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	7	0.18
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	7	0.18
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	7	0.18
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	7	0.18
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	7	0.18
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	7	0.18
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	7	0.18
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	7	0.18
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	9	0.18
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	9	0.18
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	9	0.18
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	9	0.18
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	9	0.18
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	9	0.18
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	9	0.18
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	9	0.18
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	9	0.18
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	9	0.18
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	9	0.18
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	9	0.18
(1,1555)	1:82:A:VAL:HG11	1:49:A:LEU:HB2	18	0.18
(1,1555)	1:82:A:VAL:HG11	1:49:A:LEU:HB3	18	0.18
(1,1555)	1:82:A:VAL:HG12	1:49:A:LEU:HB2	18	0.18
(1,1555)	1:82:A:VAL:HG12	1:49:A:LEU:HB3	18	0.18
(1,1555)	1:82:A:VAL:HG13	1:49:A:LEU:HB2	18	0.18
(1,1555)	1:82:A:VAL:HG13	1:49:A:LEU:HB3	18	0.18
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	18	0.18
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	18	0.18
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	18	0.18
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	10	0.18
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	10	0.18
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	10	0.18
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	15	0.18
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	15	0.18
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	15	0.18
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	15	0.18
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	15	0.18
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	15	0.18
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	15	0.18
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	15	0.18
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	15	0.18
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	15	0.18
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	15	0.18
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	15	0.18
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	1	0.18
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	1	0.18
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	1	0.18
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	1	0.18
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	1	0.18
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	14	0.18
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	14	0.18
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	14	0.18
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	14	0.18
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	14	0.18
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	14	0.18
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	14	0.18
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	14	0.18
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	14	0.18
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	14	0.18
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	14	0.18
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	14	0.18
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	14	0.18
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	14	0.18
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	14	0.18
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD21	20	0.18
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD22	20	0.18
(1,984)	1:87:A:LEU:HA	1:87:A:LEU:HD23	20	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	4	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	4	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	6	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	6	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	7	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	7	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	9	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	9	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	13	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	13	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	17	0.18
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	17	0.18
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	19	0.18
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	19	0.18
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD11	18	0.18
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD12	18	0.18
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD13	18	0.18
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD11	18	0.18
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD12	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD13	18	0.18
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	16	0.18
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	16	0.18
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	16	0.18
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	16	0.18
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	16	0.18
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	16	0.18
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG21	5	0.18
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG22	5	0.18
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG23	5	0.18
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG21	5	0.18
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG22	5	0.18
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG23	5	0.18
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD11	20	0.18
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD12	20	0.18
(1,482)	1:142:A:LEU:HD11	1:144:A:LEU:HD13	20	0.18
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD11	20	0.18
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD12	20	0.18
(1,482)	1:142:A:LEU:HD12	1:144:A:LEU:HD13	20	0.18
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD11	20	0.18
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD12	20	0.18
(1,482)	1:142:A:LEU:HD13	1:144:A:LEU:HD13	20	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	4	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	4	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	4	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	8	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	8	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	8	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	19	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	19	0.18
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	19	0.18
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	5	0.18
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	5	0.18
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	5	0.18
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	15	0.18
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	15	0.18
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	15	0.18
(1,171)	1:82:A:VAL:HG11	1:49:A:LEU:HB2	18	0.18
(1,171)	1:82:A:VAL:HG11	1:49:A:LEU:HB3	18	0.18
(1,171)	1:82:A:VAL:HG12	1:49:A:LEU:HB2	18	0.18
(1,171)	1:82:A:VAL:HG12	1:49:A:LEU:HB3	18	0.18
(1,171)	1:82:A:VAL:HG13	1:49:A:LEU:HB2	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:82:A:VAL:HG13	1:49:A:LEU:HB3	18	0.18
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	7	0.17
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	7	0.17
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	7	0.17
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	6	0.17
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	6	0.17
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	6	0.17
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	6	0.17
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	6	0.17
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	6	0.17
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	6	0.17
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	6	0.17
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	6	0.17
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	6	0.17
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	6	0.17
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	6	0.17
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	9	0.17
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	13	0.17
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	13	0.17
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	3	0.17
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	3	0.17
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	3	0.17
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	17	0.17
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	17	0.17
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	17	0.17
(1,2885)	1:48:A:VAL:HB	1:47:A:ASP:H	15	0.17
(1,2875)	1:49:A:LEU:HD11	1:46:A:TYR:H	15	0.17
(1,2875)	1:49:A:LEU:HD12	1:46:A:TYR:H	15	0.17
(1,2875)	1:49:A:LEU:HD13	1:46:A:TYR:H	15	0.17
(1,2771)	1:22:A:ARG:HB2	1:31:A:THR:H	3	0.17
(1,2771)	1:22:A:ARG:HB3	1:31:A:THR:H	3	0.17
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	9	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	2	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	2	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	2	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	6	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	6	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	6	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	19	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	19	0.17
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	19	0.17
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD21	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD22	13	0.17
(1,2432)	1:160:A:TRP:H	1:142:A:LEU:HD23	13	0.17
(1,2375)	1:127:A:THR:HA	1:127:A:THR:HB	9	0.17
(1,2375)	1:127:A:THR:HA	1:127:A:THR:HB	20	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	14	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	14	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	14	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	14	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	14	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	14	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	15	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	15	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	15	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	15	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	15	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	15	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	16	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	16	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	16	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	16	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	16	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	16	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	17	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	17	0.17
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	17	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	17	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	17	0.17
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	17	0.17
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	12	0.17
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	12	0.17
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	12	0.17
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	14	0.17
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	14	0.17
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	14	0.17
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	11	0.17
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	11	0.17
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	11	0.17
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	11	0.17
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	11	0.17
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	11	0.17
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	14	0.17
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	14	0.17
(1,2218)	1:159:A:SER:H	1:155:A:GLU:HA	16	0.17
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	12	0.17
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	12	0.17
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	12	0.17
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	12	0.17
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	3	0.17
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	3	0.17
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	5	0.17
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	5	0.17
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	8	0.17
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	8	0.17
(1,2121)	1:133:A:ILE:HD11	1:140:A:VAL:HA	15	0.17
(1,2121)	1:133:A:ILE:HD12	1:140:A:VAL:HA	15	0.17
(1,2121)	1:133:A:ILE:HD13	1:140:A:VAL:HA	15	0.17
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB1	15	0.17
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB2	15	0.17
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB3	15	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	14	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	14	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	14	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	14	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	14	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	14	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	15	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	15	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	15	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	15	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	15	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	15	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	16	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	16	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	16	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	16	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	16	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	16	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	17	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	17	0.17
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	17	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	17	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	17	0.17
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:61:A:ILE:H	1:60:A:GLU:HB2	1	0.17
(1,1801)	1:61:A:ILE:H	1:60:A:GLU:HB3	1	0.17
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	11	0.17
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	11	0.17
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	11	0.17
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	11	0.17
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	11	0.17
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	11	0.17
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	3	0.17
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	3	0.17
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	3	0.17
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	20	0.17
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	20	0.17
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	20	0.17
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	20	0.17
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	20	0.17
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	20	0.17
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	19	0.17
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	19	0.17
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	19	0.17
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	12	0.17
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	12	0.17
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	12	0.17
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	11	0.17
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	11	0.17
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	11	0.17
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	3	0.17
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	3	0.17
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	3	0.17
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	3	0.17
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	3	0.17
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	3	0.17
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	3	0.17
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	3	0.17
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	3	0.17
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	3	0.17
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	3	0.17
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	3	0.17
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	2	0.17
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	2	0.17
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	2	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	4	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	4	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	4	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	4	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	4	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	5	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	5	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	5	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	5	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	5	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	5	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	8	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	8	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	8	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	8	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	8	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	8	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	11	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	11	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	11	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	11	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	11	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	11	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	12	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	12	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	12	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	12	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	12	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	12	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	18	0.17
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	18	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	18	0.17
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	18	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	18	0.17
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	18	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	4	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	4	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	4	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	4	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	4	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	4	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	5	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	5	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	5	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	5	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	5	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	8	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	8	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	8	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	8	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	8	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	8	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	11	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	11	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	11	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	11	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	11	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	11	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	12	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	12	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	12	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	12	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	12	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	12	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	18	0.17
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	18	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	18	0.17
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	18	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	18	0.17
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	18	0.17
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	2	0.17
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	2	0.17
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	11	0.17
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	11	0.17
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	13	0.17
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	13	0.17
(1,912)	1:156:A:ARG:H	1:155:A:GLU:HG2	16	0.17
(1,912)	1:156:A:ARG:H	1:155:A:GLU:HG3	16	0.17
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	12	0.17
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	12	0.17
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	12	0.17
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	2	0.17
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	2	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	12	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	12	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	12	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	12	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	12	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	12	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	12	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	12	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	12	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	13	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	13	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	13	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	13	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	13	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	13	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	13	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	13	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	13	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	16	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	16	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	16	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	16	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	16	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	16	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	16	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	16	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	16	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	20	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	20	0.17
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	20	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	20	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	20	0.17
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	20	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	20	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	20	0.17
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	20	0.17
(1,554)	1:48:A:VAL:HA	1:48:A:VAL:HG11	15	0.17
(1,554)	1:48:A:VAL:HA	1:48:A:VAL:HG12	15	0.17
(1,554)	1:48:A:VAL:HA	1:48:A:VAL:HG13	15	0.17
(1,505)	1:51:A:LEU:HG	1:104:A:LEU:HD11	8	0.17
(1,505)	1:51:A:LEU:HG	1:104:A:LEU:HD12	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:51:A:LEU:HG	1:104:A:LEU:HD13	8	0.17
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	6	0.17
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	6	0.17
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	6	0.17
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	6	0.17
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	6	0.17
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	6	0.17
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	18	0.17
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	18	0.17
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	18	0.17
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	9	0.17
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	9	0.17
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	9	0.17
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	9	0.17
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	9	0.17
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	9	0.17
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	9	0.17
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	9	0.17
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	9	0.17
(1,401)	1:165:A:LEU:H	1:165:A:LEU:HD21	14	0.17
(1,401)	1:165:A:LEU:H	1:165:A:LEU:HD22	14	0.17
(1,401)	1:165:A:LEU:H	1:165:A:LEU:HD23	14	0.17
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	3	0.17
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	3	0.17
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	3	0.17
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	11	0.17
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	11	0.17
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	11	0.17
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	11	0.17
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	11	0.17
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	11	0.17
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	9	0.16
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	9	0.16
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	9	0.16
(1,3506)	1:158:A:GLN:HG2	1:159:A:SER:H	12	0.16
(1,3506)	1:158:A:GLN:HG3	1:159:A:SER:H	12	0.16
(1,3350)	1:127:A:THR:HG21	1:127:A:THR:H	7	0.16
(1,3350)	1:127:A:THR:HG22	1:127:A:THR:H	7	0.16
(1,3350)	1:127:A:THR:HG23	1:127:A:THR:H	7	0.16
(1,3236)	1:101:A:LEU:HD11	1:102:A:GLY:H	7	0.16
(1,3236)	1:101:A:LEU:HD12	1:102:A:GLY:H	7	0.16
(1,3236)	1:101:A:LEU:HD13	1:102:A:GLY:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3236)	1:101:A:LEU:HD11	1:102:A:GLY:H	9	0.16
(1,3236)	1:101:A:LEU:HD12	1:102:A:GLY:H	9	0.16
(1,3236)	1:101:A:LEU:HD13	1:102:A:GLY:H	9	0.16
(1,3193)	1:97:A:PHE:H	1:94:A:GLY:H	13	0.16
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	6	0.16
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	18	0.16
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	18	0.16
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	20	0.16
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	20	0.16
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	14	0.16
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	14	0.16
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	14	0.16
(1,2872)	1:42:A:LEU:HA	1:45:A:GLN:H	20	0.16
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	11	0.16
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	11	0.16
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	11	0.16
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	13	0.16
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	13	0.16
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	13	0.16
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	13	0.16
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	13	0.16
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	13	0.16
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD21	7	0.16
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD22	7	0.16
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD23	7	0.16
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	10	0.16
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	10	0.16
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	10	0.16
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	10	0.16
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	10	0.16
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	10	0.16
(1,2375)	1:127:A:THR:HA	1:127:A:THR:HB	19	0.16
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	3	0.16
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	3	0.16
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	3	0.16
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	3	0.16
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	3	0.16
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	3	0.16
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG11	7	0.16
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG12	7	0.16
(1,2319)	1:117:A:GLY:H	1:116:A:VAL:HG13	7	0.16
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	4	0.16
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	4	0.16
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	16	0.16
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	16	0.16
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	16	0.16
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	17	0.16
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	17	0.16
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	17	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	11	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	11	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	11	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	17	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	17	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	17	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	18	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	18	0.16
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	18	0.16
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	7	0.16
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	7	0.16
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	13	0.16
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	13	0.16
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	20	0.16
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	20	0.16
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	20	0.16
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	20	0.16
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	20	0.16
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	20	0.16
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	20	0.16
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	20	0.16
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	20	0.16
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	20	0.16
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	20	0.16
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	20	0.16
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	7	0.16
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	7	0.16
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	9	0.16
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	9	0.16
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB2	7	0.16
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB3	7	0.16
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB2	7	0.16
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB3	7	0.16
(1,2087)	1:160:A:TRP:H	1:142:A:LEU:HD11	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:160:A:TRP:H	1:142:A:LEU:HD12	18	0.16
(1,2087)	1:160:A:TRP:H	1:142:A:LEU:HD13	18	0.16
(1,1971)	1:96:A:TRP:HD1	1:96:A:TRP:HA	2	0.16
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB1	5	0.16
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB2	5	0.16
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB3	5	0.16
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG2	12	0.16
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG3	12	0.16
(1,1857)	1:107:A:LYS:HA	1:107:A:LYS:HG2	6	0.16
(1,1857)	1:107:A:LYS:HA	1:107:A:LYS:HG3	6	0.16
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	3	0.16
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	3	0.16
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	3	0.16
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	3	0.16
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	3	0.16
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	3	0.16
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG11	11	0.16
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG12	11	0.16
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG13	11	0.16
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	13	0.16
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	13	0.16
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	13	0.16
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG11	6	0.16
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG12	6	0.16
(1,1680)	1:71:A:GLN:HB2	1:68:A:VAL:HG13	6	0.16
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG11	6	0.16
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG12	6	0.16
(1,1680)	1:71:A:GLN:HB3	1:68:A:VAL:HG13	6	0.16
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	19	0.16
(1,1555)	1:82:A:VAL:HG11	1:49:A:LEU:HB2	6	0.16
(1,1555)	1:82:A:VAL:HG11	1:49:A:LEU:HB3	6	0.16
(1,1555)	1:82:A:VAL:HG12	1:49:A:LEU:HB2	6	0.16
(1,1555)	1:82:A:VAL:HG12	1:49:A:LEU:HB3	6	0.16
(1,1555)	1:82:A:VAL:HG13	1:49:A:LEU:HB2	6	0.16
(1,1555)	1:82:A:VAL:HG13	1:49:A:LEU:HB3	6	0.16
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	8	0.16
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	8	0.16
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	8	0.16
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	18	0.16
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	18	0.16
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	18	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	2	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	2	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	2	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	2	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	2	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	2	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	2	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	2	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	2	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	2	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	2	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	5	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	5	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	5	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	5	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	5	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	5	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	5	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	5	0.16
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	5	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	5	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	5	0.16
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	5	0.16
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	8	0.16
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	8	0.16
(1,1403)	1:113:A:VAL:HG11	1:108:A:LEU:HB2	13	0.16
(1,1403)	1:113:A:VAL:HG11	1:108:A:LEU:HB3	13	0.16
(1,1403)	1:113:A:VAL:HG12	1:108:A:LEU:HB2	13	0.16
(1,1403)	1:113:A:VAL:HG12	1:108:A:LEU:HB3	13	0.16
(1,1403)	1:113:A:VAL:HG13	1:108:A:LEU:HB2	13	0.16
(1,1403)	1:113:A:VAL:HG13	1:108:A:LEU:HB3	13	0.16
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	2	0.16
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	2	0.16
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	2	0.16
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	2	0.16
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	2	0.16
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	2	0.16
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	12	0.16
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	12	0.16
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	12	0.16
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	12	0.16
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	12	0.16
(1,1303)	1:68:A:VAL:HG11	1:35:A:LEU:HA	8	0.16
(1,1303)	1:68:A:VAL:HG12	1:35:A:LEU:HA	8	0.16
(1,1303)	1:68:A:VAL:HG13	1:35:A:LEU:HA	8	0.16
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	9	0.16
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	9	0.16
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	9	0.16
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	20	0.16
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	20	0.16
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	20	0.16
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	20	0.16
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	20	0.16
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	20	0.16
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	20	0.16
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	20	0.16
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	20	0.16
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	20	0.16
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	20	0.16
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	20	0.16
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	17	0.16
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	17	0.16
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	17	0.16
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	17	0.16
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	17	0.16
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	17	0.16
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	17	0.16
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	17	0.16
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	17	0.16
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	17	0.16
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	17	0.16
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	17	0.16
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	20	0.16
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	20	0.16
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	20	0.16
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	20	0.16
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	20	0.16
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	20	0.16
(1,992)	1:152:A:LEU:HA	1:152:A:LEU:HG	1	0.16
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	10	0.16
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	10	0.16
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	10	0.16
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	15	0.16
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	15	0.16
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	19	0.16
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	19	0.16
(1,920)	1:155:A:GLU:HA	1:155:A:GLU:HG2	16	0.16
(1,920)	1:155:A:GLU:HA	1:155:A:GLU:HG3	16	0.16
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	18	0.16
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	18	0.16
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	20	0.16
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	20	0.16
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	8	0.16
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	8	0.16
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	8	0.16
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	18	0.16
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	18	0.16
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	18	0.16
(1,790)	1:84:A:LEU:HD11	1:84:A:LEU:HA	15	0.16
(1,790)	1:84:A:LEU:HD12	1:84:A:LEU:HA	15	0.16
(1,790)	1:84:A:LEU:HD13	1:84:A:LEU:HA	15	0.16
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	11	0.16
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	14	0.16
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD11	13	0.16
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD12	13	0.16
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD13	13	0.16
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD11	13	0.16
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD12	13	0.16
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD13	13	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	3	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	3	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	3	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	3	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	3	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	3	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	3	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	3	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	3	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	4	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	4	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	4	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	4	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	4	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	4	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	4	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	4	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	8	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	8	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	8	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	8	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	8	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	8	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	8	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	8	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	8	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	10	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	10	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	10	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	10	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	10	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	10	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	10	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	10	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	10	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	14	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	14	0.16
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	14	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	14	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	14	0.16
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	14	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	14	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	14	0.16
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	14	0.16
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	19	0.16
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	19	0.16
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	19	0.16
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	19	0.16
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	19	0.16
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	19	0.16
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG21	10	0.16
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG22	10	0.16
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG23	10	0.16
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG21	10	0.16
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG22	10	0.16
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG23	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:127:A:THR:H	1:127:A:THR:HG21	7	0.16
(1,516)	1:127:A:THR:H	1:127:A:THR:HG22	7	0.16
(1,516)	1:127:A:THR:H	1:127:A:THR:HG23	7	0.16
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD11	18	0.16
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD12	18	0.16
(1,501)	1:6:A:PHE:HE1	1:104:A:LEU:HD13	18	0.16
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD11	18	0.16
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD12	18	0.16
(1,501)	1:6:A:PHE:HE2	1:104:A:LEU:HD13	18	0.16
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	19	0.16
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	19	0.16
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	19	0.16
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	4	0.16
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	4	0.16
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	4	0.16
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	2	0.16
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	2	0.16
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	2	0.16
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	3	0.16
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	3	0.16
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	3	0.16
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD11	17	0.16
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD12	17	0.16
(1,420)	1:144:A:LEU:HB2	1:87:A:LEU:HD13	17	0.16
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD11	17	0.16
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD12	17	0.16
(1,420)	1:144:A:LEU:HB3	1:87:A:LEU:HD13	17	0.16
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD11	16	0.16
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD12	16	0.16
(1,409)	1:87:A:LEU:HA	1:87:A:LEU:HD13	16	0.16
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD21	6	0.16
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD22	6	0.16
(1,404)	1:69:A:TRP:HA	1:72:A:LEU:HD23	6	0.16
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	13	0.16
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	13	0.16
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	13	0.16
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD11	15	0.16
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD12	15	0.16
(1,379)	1:84:A:LEU:HA	1:84:A:LEU:HD13	15	0.16
(1,171)	1:82:A:VAL:HG11	1:49:A:LEU:HB2	6	0.16
(1,171)	1:82:A:VAL:HG11	1:49:A:LEU:HB3	6	0.16
(1,171)	1:82:A:VAL:HG12	1:49:A:LEU:HB2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:82:A:VAL:HG12	1:49:A:LEU:HB3	6	0.16
(1,171)	1:82:A:VAL:HG13	1:49:A:LEU:HB2	6	0.16
(1,171)	1:82:A:VAL:HG13	1:49:A:LEU:HB3	6	0.16
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	4	0.16
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	4	0.16
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	4	0.16
(2,48)	1:139:A:PHE:HE1	1:119:A:TRP:HD1	1	0.15
(2,48)	1:139:A:PHE:HE2	1:119:A:TRP:HD1	1	0.15
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	2	0.15
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	2	0.15
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	2	0.15
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	5	0.15
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	5	0.15
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	5	0.15
(1,3718)	1:84:A:LEU:HD21	1:84:A:LEU:H	15	0.15
(1,3718)	1:84:A:LEU:HD22	1:84:A:LEU:H	15	0.15
(1,3718)	1:84:A:LEU:HD23	1:84:A:LEU:H	15	0.15
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	10	0.15
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	20	0.15
(1,3506)	1:158:A:GLN:HG2	1:159:A:SER:H	3	0.15
(1,3506)	1:158:A:GLN:HG3	1:159:A:SER:H	3	0.15
(1,3506)	1:158:A:GLN:HG2	1:159:A:SER:H	20	0.15
(1,3506)	1:158:A:GLN:HG3	1:159:A:SER:H	20	0.15
(1,3411)	1:132:A:VAL:HG21	1:137:A:GLN:H	20	0.15
(1,3411)	1:132:A:VAL:HG22	1:137:A:GLN:H	20	0.15
(1,3411)	1:132:A:VAL:HG23	1:137:A:GLN:H	20	0.15
(1,3350)	1:127:A:THR:HG21	1:127:A:THR:H	16	0.15
(1,3350)	1:127:A:THR:HG22	1:127:A:THR:H	16	0.15
(1,3350)	1:127:A:THR:HG23	1:127:A:THR:H	16	0.15
(1,3193)	1:97:A:PHE:H	1:94:A:GLY:H	18	0.15
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	15	0.15
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	15	0.15
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	6	0.15
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	14	0.15
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	20	0.15
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	7	0.15
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	20	0.15
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	8	0.15
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	11	0.15
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	12	0.15
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	11	0.15
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2933)	1:65:A:TRP:HD1	1:52:A:GLY:H	18	0.15
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	5	0.15
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	5	0.15
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	5	0.15
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	11	0.15
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	19	0.15
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE2	7	0.15
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE3	7	0.15
(1,2566)	1:54:A:PRO:HD2	1:14:A:THR:HB	5	0.15
(1,2566)	1:54:A:PRO:HD3	1:14:A:THR:HB	5	0.15
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	8	0.15
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	8	0.15
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	8	0.15
(1,2531)	1:51:A:LEU:HA	1:43:A:MET:HE1	6	0.15
(1,2531)	1:51:A:LEU:HA	1:43:A:MET:HE2	6	0.15
(1,2531)	1:51:A:LEU:HA	1:43:A:MET:HE3	6	0.15
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	1	0.15
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	1	0.15
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	1	0.15
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	1	0.15
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	1	0.15
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	1	0.15
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG11	13	0.15
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG12	13	0.15
(1,2386)	1:131:A:PRO:HD2	1:132:A:VAL:HG13	13	0.15
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG11	13	0.15
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG12	13	0.15
(1,2386)	1:131:A:PRO:HD3	1:132:A:VAL:HG13	13	0.15
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	19	0.15
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	19	0.15
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	19	0.15
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	19	0.15
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	19	0.15
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	19	0.15
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	5	0.15
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	5	0.15
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	5	0.15
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	13	0.15
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	13	0.15
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	13	0.15
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	7	0.15
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	7	0.15
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	9	0.15
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	9	0.15
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	9	0.15
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	12	0.15
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	12	0.15
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	12	0.15
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	12	0.15
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	12	0.15
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	12	0.15
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	12	0.15
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	12	0.15
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	12	0.15
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA2	12	0.15
(1,2254)	1:140:A:VAL:HG11	1:102:A:GLY:HA3	12	0.15
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA2	12	0.15
(1,2254)	1:140:A:VAL:HG12	1:102:A:GLY:HA3	12	0.15
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA2	12	0.15
(1,2254)	1:140:A:VAL:HG13	1:102:A:GLY:HA3	12	0.15
(1,2231)	1:104:A:LEU:HD11	1:108:A:LEU:HA	16	0.15
(1,2231)	1:104:A:LEU:HD12	1:108:A:LEU:HA	16	0.15
(1,2231)	1:104:A:LEU:HD13	1:108:A:LEU:HA	16	0.15
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	4	0.15
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	2	0.15
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	2	0.15
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	11	0.15
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	11	0.15
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	19	0.15
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	19	0.15
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	14	0.15
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	14	0.15
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	14	0.15
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	14	0.15
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	14	0.15
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	14	0.15
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD11	5	0.15
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD12	5	0.15
(1,2054)	1:84:A:LEU:HB2	1:101:A:LEU:HD13	5	0.15
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD11	5	0.15
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD12	5	0.15
(1,2054)	1:84:A:LEU:HB3	1:101:A:LEU:HD13	5	0.15
(1,2036)	1:55:A:THR:H	1:55:A:THR:HB	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB1	12	0.15
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB2	12	0.15
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB3	12	0.15
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG2	3	0.15
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG3	3	0.15
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG2	20	0.15
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG3	20	0.15
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	19	0.15
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	19	0.15
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	19	0.15
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	19	0.15
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	19	0.15
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	19	0.15
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	1	0.15
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	1	0.15
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	1	0.15
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	1	0.15
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	1	0.15
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	1	0.15
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	1	0.15
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	1	0.15
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	1	0.15
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	1	0.15
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	1	0.15
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	1	0.15
(1,1752)	1:87:A:LEU:H	1:144:A:LEU:HG	20	0.15
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	2	0.15
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	13	0.15
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	3	0.15
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	3	0.15
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	3	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	1	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	1	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	2	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	2	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	4	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	4	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	5	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	5	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	7	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	7	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	9	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	11	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	11	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	15	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	15	0.15
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	17	0.15
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	17	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	3	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	3	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	3	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	3	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	3	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	3	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	7	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	7	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	7	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	7	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	7	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	7	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	9	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	9	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	9	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	9	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	9	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	9	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	18	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	18	0.15
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	18	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	18	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	18	0.15
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	18	0.15
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	1	0.15
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	1	0.15
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	1	0.15
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	11	0.15
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	11	0.15
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	11	0.15
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	4	0.15
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	4	0.15
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	4	0.15
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	14	0.15
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	14	0.15
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	14	0.15
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	14	0.15
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	14	0.15
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	17	0.15
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	17	0.15
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	17	0.15
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	17	0.15
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	17	0.15
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	17	0.15
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	19	0.15
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	19	0.15
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	19	0.15
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	19	0.15
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	19	0.15
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	19	0.15
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	14	0.15
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	14	0.15
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	14	0.15
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	14	0.15
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	14	0.15
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	14	0.15
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	17	0.15
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	17	0.15
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	17	0.15
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	17	0.15
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	17	0.15
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	17	0.15
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	19	0.15
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	19	0.15
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	19	0.15
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	19	0.15
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	19	0.15
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	19	0.15
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	18	0.15
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	18	0.15
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	18	0.15
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD21	13	0.15
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD22	13	0.15
(1,1021)	1:43:A:MET:H	1:75:A:LEU:HD23	13	0.15
(1,992)	1:152:A:LEU:HA	1:152:A:LEU:HG	19	0.15
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	14	0.15
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	14	0.15
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	14	0.15
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	18	0.15
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	18	0.15
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	18	0.15
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	18	0.15
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	1	0.15
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	1	0.15
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	7	0.15
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	7	0.15
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	11	0.15
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	11	0.15
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	13	0.15
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	20	0.15
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	7	0.15
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	7	0.15
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	7	0.15
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	2	0.15
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	2	0.15
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	2	0.15
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	2	0.15
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	2	0.15
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	2	0.15
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	2	0.15
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	2	0.15
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	2	0.15
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	6	0.15
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	6	0.15
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	6	0.15
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	6	0.15
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	6	0.15
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	6	0.15
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	6	0.15
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	6	0.15
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	6	0.15
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG21	10	0.15
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG22	10	0.15
(1,587)	1:48:A:VAL:HG21	1:81:A:ILE:HG23	10	0.15
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG21	10	0.15
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG22	10	0.15
(1,587)	1:48:A:VAL:HG22	1:81:A:ILE:HG23	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG21	10	0.15
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG22	10	0.15
(1,587)	1:48:A:VAL:HG23	1:81:A:ILE:HG23	10	0.15
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD21	3	0.15
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD22	3	0.15
(1,523)	1:109:A:SER:H	1:108:A:LEU:HD23	3	0.15
(1,516)	1:127:A:THR:H	1:127:A:THR:HG21	16	0.15
(1,516)	1:127:A:THR:H	1:127:A:THR:HG22	16	0.15
(1,516)	1:127:A:THR:H	1:127:A:THR:HG23	16	0.15
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	18	0.15
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	18	0.15
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	18	0.15
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	18	0.15
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	18	0.15
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	18	0.15
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	1	0.15
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	1	0.15
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	1	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	9	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	9	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	9	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	11	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	11	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	11	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	12	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	12	0.15
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	12	0.15
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	1	0.15
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	1	0.15
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	1	0.15
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	1	0.15
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	1	0.15
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	1	0.15
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	1	0.15
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	1	0.15
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	1	0.15
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	6	0.15
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	6	0.15
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	6	0.15
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	6	0.15
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	6	0.15
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:133:A:ILE:HD11	1:138:A:LEU:HG	14	0.15
(1,393)	1:133:A:ILE:HD12	1:138:A:LEU:HG	14	0.15
(1,393)	1:133:A:ILE:HD13	1:138:A:LEU:HG	14	0.15
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	20	0.14
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	20	0.14
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	4	0.14
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	13	0.14
(2,1)	1:101:A:LEU:HG	1:98:A:LEU:HG	1	0.14
(1,3718)	1:84:A:LEU:HD21	1:84:A:LEU:H	19	0.14
(1,3718)	1:84:A:LEU:HD22	1:84:A:LEU:H	19	0.14
(1,3718)	1:84:A:LEU:HD23	1:84:A:LEU:H	19	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	1	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	1	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	1	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	1	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	1	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	1	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	1	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	1	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	1	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	1	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	1	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	1	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	7	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	7	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	7	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	7	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	7	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	7	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	7	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	7	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	7	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	7	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	7	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	7	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	9	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	9	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	9	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	9	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	9	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	9	0.14
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	9	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	9	0.14
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	9	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	9	0.14
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	9	0.14
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	9	0.14
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	18	0.14
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	2	0.14
(1,3350)	1:127:A:THR:HG21	1:127:A:THR:H	2	0.14
(1,3350)	1:127:A:THR:HG22	1:127:A:THR:H	2	0.14
(1,3350)	1:127:A:THR:HG23	1:127:A:THR:H	2	0.14
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	12	0.14
(1,3229)	1:139:A:PHE:HB2	1:140:A:VAL:H	2	0.14
(1,3229)	1:139:A:PHE:HB3	1:140:A:VAL:H	2	0.14
(1,3229)	1:139:A:PHE:HB2	1:140:A:VAL:H	4	0.14
(1,3229)	1:139:A:PHE:HB3	1:140:A:VAL:H	4	0.14
(1,3229)	1:139:A:PHE:HB2	1:140:A:VAL:H	13	0.14
(1,3229)	1:139:A:PHE:HB3	1:140:A:VAL:H	13	0.14
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	12	0.14
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	12	0.14
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	19	0.14
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	19	0.14
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	4	0.14
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	8	0.14
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	16	0.14
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	17	0.14
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	18	0.14
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	13	0.14
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	1	0.14
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	2	0.14
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	3	0.14
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	9	0.14
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	19	0.14
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	20	0.14
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	8	0.14
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	8	0.14
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	9	0.14
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	9	0.14
(1,2924)	1:5:A:LEU:HD11	1:52:A:GLY:H	5	0.14
(1,2924)	1:5:A:LEU:HD12	1:52:A:GLY:H	5	0.14
(1,2924)	1:5:A:LEU:HD13	1:52:A:GLY:H	5	0.14
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	18	0.14
(1,2664)	1:132:A:VAL:HG21	1:133:A:ILE:H	7	0.14
(1,2664)	1:132:A:VAL:HG22	1:133:A:ILE:H	7	0.14
(1,2664)	1:132:A:VAL:HG23	1:133:A:ILE:H	7	0.14
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE2	3	0.14
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE3	3	0.14
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	9	0.14
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	9	0.14
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	9	0.14
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	9	0.14
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	9	0.14
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	9	0.14
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	9	0.14
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	9	0.14
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	9	0.14
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG11	15	0.14
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG12	15	0.14
(1,2315)	1:167:A:GLU:HA	1:116:A:VAL:HG13	15	0.14
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG21	2	0.14
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG22	2	0.14
(1,2280)	1:114:A:LYS:H	1:113:A:VAL:HG23	2	0.14
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	10	0.14
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	10	0.14
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	15	0.14
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	15	0.14
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	10	0.14
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	18	0.14
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	6	0.14
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	6	0.14
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	6	0.14
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	6	0.14
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	8	0.14
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	8	0.14
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	8	0.14
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	8	0.14
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	1	0.14
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	1	0.14
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	12	0.14
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	12	0.14
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	15	0.14
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	15	0.14
(1,2123)	1:138:A:LEU:HG	1:140:A:VAL:HA	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:138:A:LEU:HG	1:140:A:VAL:HA	18	0.14
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD21	16	0.14
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD22	16	0.14
(1,2112)	1:54:A:PRO:HD2	1:87:A:LEU:HD23	16	0.14
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD21	16	0.14
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD22	16	0.14
(1,2112)	1:54:A:PRO:HD3	1:87:A:LEU:HD23	16	0.14
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB2	3	0.14
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB3	3	0.14
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB2	3	0.14
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB3	3	0.14
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB1	14	0.14
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB2	14	0.14
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB3	14	0.14
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD11	7	0.14
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD12	7	0.14
(1,2015)	1:160:A:TRP:HZ3	1:21:A:ILE:HD13	7	0.14
(1,1971)	1:96:A:TRP:HD1	1:96:A:TRP:HA	10	0.14
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB1	3	0.14
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB2	3	0.14
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB3	3	0.14
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB1	17	0.14
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB2	17	0.14
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB3	17	0.14
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG21	4	0.14
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG22	4	0.14
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG23	4	0.14
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	9	0.14
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	9	0.14
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	9	0.14
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	9	0.14
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	9	0.14
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	9	0.14
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	20	0.14
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	20	0.14
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	20	0.14
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	20	0.14
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	20	0.14
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	20	0.14
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	20	0.14
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	20	0.14
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	20	0.14
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	20	0.14
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	20	0.14
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	4	0.14
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	11	0.14
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	14	0.14
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	20	0.14
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	6	0.14
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	6	0.14
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	6	0.14
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	1	0.14
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	1	0.14
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	1	0.14
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	4	0.14
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	4	0.14
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	4	0.14
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB2	15	0.14
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB3	15	0.14
(1,1442)	1:171:A:HIS:HD2	1:168:A:MET:HA	13	0.14
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	6	0.14
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	6	0.14
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	10	0.14
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	10	0.14
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	14	0.14
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	14	0.14
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	16	0.14
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	16	0.14
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	18	0.14
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	18	0.14
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	19	0.14
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	19	0.14
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	11	0.14
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	11	0.14
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	11	0.14
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	11	0.14
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	11	0.14
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	11	0.14
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	3	0.14
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	3	0.14
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	3	0.14
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	3	0.14
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	11	0.14
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	11	0.14
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	11	0.14
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	12	0.14
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	12	0.14
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	12	0.14
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	12	0.14
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	15	0.14
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	15	0.14
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	15	0.14
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	15	0.14
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD21	5	0.14
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD22	5	0.14
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD23	5	0.14
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD21	5	0.14
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD22	5	0.14
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD23	5	0.14
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	12	0.14
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	12	0.14
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	12	0.14
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	1	0.14
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	1	0.14
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	1	0.14
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	1	0.14
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	1	0.14
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	1	0.14
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	16	0.14
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	16	0.14
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	16	0.14
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	16	0.14
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	16	0.14
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	16	0.14
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	1	0.14
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	1	0.14
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	1	0.14
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	1	0.14
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	1	0.14
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	1	0.14
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	16	0.14
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	16	0.14
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	16	0.14
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	16	0.14
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	16	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	4	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	4	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	4	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	10	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	10	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	10	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	15	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	15	0.14
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	15	0.14
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG2	14	0.14
(1,943)	1:167:A:GLU:H	1:167:A:GLU:HG3	14	0.14
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	6	0.14
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	6	0.14
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	16	0.14
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	16	0.14
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	1	0.14
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	1	0.14
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	10	0.14
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	10	0.14
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	8	0.14
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	8	0.14
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	9	0.14
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	9	0.14
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	2	0.14
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	2	0.14
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	2	0.14
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	3	0.14
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	3	0.14
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	3	0.14
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	6	0.14
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	6	0.14
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	6	0.14
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	2	0.14
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	8	0.14
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	2	0.14
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	2	0.14
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	2	0.14
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	19	0.14
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	19	0.14
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	3	0.14
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	3	0.14
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	3	0.14
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	10	0.14
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	10	0.14
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	10	0.14
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	18	0.14
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	18	0.14
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	18	0.14
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	18	0.14
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	18	0.14
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	18	0.14
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	18	0.14
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	18	0.14
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	18	0.14
(1,581)	1:131:A:PRO:HG2	1:132:A:VAL:HG11	9	0.14
(1,581)	1:131:A:PRO:HG2	1:132:A:VAL:HG12	9	0.14
(1,581)	1:131:A:PRO:HG2	1:132:A:VAL:HG13	9	0.14
(1,581)	1:131:A:PRO:HG3	1:132:A:VAL:HG11	9	0.14
(1,581)	1:131:A:PRO:HG3	1:132:A:VAL:HG12	9	0.14
(1,581)	1:131:A:PRO:HG3	1:132:A:VAL:HG13	9	0.14
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	15	0.14
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	15	0.14
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	15	0.14
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	15	0.14
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	15	0.14
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	15	0.14
(1,516)	1:127:A:THR:H	1:127:A:THR:HG21	2	0.14
(1,516)	1:127:A:THR:H	1:127:A:THR:HG22	2	0.14
(1,516)	1:127:A:THR:H	1:127:A:THR:HG23	2	0.14
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	9	0.14
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	9	0.14
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	9	0.14
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	7	0.14
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	7	0.14
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	7	0.14
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD11	15	0.14
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD12	15	0.14
(1,473)	1:75:A:LEU:H	1:75:A:LEU:HD13	15	0.14
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	7	0.14
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	7	0.14
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	1	0.13
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	17	0.13
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	3	0.13
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	6	0.13
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	15	0.13
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	6	0.13
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	19	0.13
(1,3506)	1:158:A:GLN:HG2	1:159:A:SER:H	13	0.13
(1,3506)	1:158:A:GLN:HG3	1:159:A:SER:H	13	0.13
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	11	0.13
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	11	0.13
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	11	0.13
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	1	0.13
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	1	0.13
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	1	0.13
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	3	0.13
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	3	0.13
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	3	0.13
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	8	0.13
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	8	0.13
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	8	0.13
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	9	0.13
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	9	0.13
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	9	0.13
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	10	0.13
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	10	0.13
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	10	0.13
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	17	0.13
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	17	0.13
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	17	0.13
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	18	0.13
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	18	0.13
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	18	0.13
(1,3350)	1:127:A:THR:HG21	1:127:A:THR:H	9	0.13
(1,3350)	1:127:A:THR:HG22	1:127:A:THR:H	9	0.13
(1,3350)	1:127:A:THR:HG23	1:127:A:THR:H	9	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	2	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	3	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	4	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	5	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	6	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	8	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	9	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	10	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	11	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	13	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	16	0.13
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	18	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	1	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	5	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	7	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	9	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	10	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	11	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	12	0.13
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	15	0.13
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	1	0.13
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	4	0.13
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	16	0.13
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	5	0.13
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	15	0.13
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	17	0.13
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	17	0.13
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	17	0.13
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	1	0.13
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	3	0.13
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	4	0.13
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	12	0.13
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	13	0.13
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	15	0.13
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG21	7	0.13
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG22	7	0.13
(1,2605)	1:126:A:PHE:HD1	1:132:A:VAL:HG23	7	0.13
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG21	7	0.13
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG22	7	0.13
(1,2605)	1:126:A:PHE:HD2	1:132:A:VAL:HG23	7	0.13
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE2	15	0.13
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE3	15	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	1	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	2	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	3	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	4	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	7	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	8	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	9	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	11	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	13	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	14	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	15	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	17	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	19	0.13
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	20	0.13
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	4	0.13
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	4	0.13
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	4	0.13
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	4	0.13
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	4	0.13
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	4	0.13
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	18	0.13
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	18	0.13
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	18	0.13
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	18	0.13
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	18	0.13
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	18	0.13
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	9	0.13
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	9	0.13
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	9	0.13
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	9	0.13
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	9	0.13
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	9	0.13
(1,2278)	1:55:A:THR:H	1:54:A:PRO:HG2	8	0.13
(1,2278)	1:55:A:THR:H	1:54:A:PRO:HG3	8	0.13
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	1	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	1	0.13
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	2	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	2	0.13
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	4	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	4	0.13
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	8	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	8	0.13
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	11	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	11	0.13
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	12	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	14	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	14	0.13
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	18	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	18	0.13
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	20	0.13
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	20	0.13
(1,2261)	1:104:A:LEU:H	1:104:A:LEU:HG	7	0.13
(1,2261)	1:104:A:LEU:H	1:104:A:LEU:HG	8	0.13
(1,2261)	1:104:A:LEU:H	1:104:A:LEU:HG	13	0.13
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	3	0.13
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	5	0.13
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	9	0.13
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	20	0.13
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	7	0.13
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	7	0.13
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	7	0.13
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	7	0.13
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	4	0.13
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	4	0.13
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	11	0.13
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	11	0.13
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	11	0.13
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	11	0.13
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	11	0.13
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	11	0.13
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB1	16	0.13
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB2	16	0.13
(1,1944)	1:119:A:TRP:HE3	1:143:A:ALA:HB3	16	0.13
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG21	7	0.13
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG22	7	0.13
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG23	7	0.13
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG2	13	0.13
(1,1919)	1:159:A:SER:H	1:158:A:GLN:HG3	13	0.13
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	4	0.13
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	4	0.13
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	4	0.13
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	4	0.13
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	4	0.13
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	4	0.13
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	18	0.13
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	18	0.13
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	18	0.13
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	18	0.13
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	18	0.13
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	9	0.13
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	9	0.13
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	9	0.13
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	9	0.13
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	9	0.13
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	9	0.13
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	11	0.13
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	11	0.13
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	11	0.13
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	11	0.13
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	11	0.13
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	11	0.13
(1,1694)	1:84:A:LEU:HD21	1:105:A:HIS:HA	7	0.13
(1,1694)	1:84:A:LEU:HD22	1:105:A:HIS:HA	7	0.13
(1,1694)	1:84:A:LEU:HD23	1:105:A:HIS:HA	7	0.13
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG11	2	0.13
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG12	2	0.13
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG13	2	0.13
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	11	0.13
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	11	0.13
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	11	0.13
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	11	0.13
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	19	0.13
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	19	0.13
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	19	0.13
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	19	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	5	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	6	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	7	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	9	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	10	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	12	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	15	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	16	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	17	0.13
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	18	0.13
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	2	0.13
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	2	0.13
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	10	0.13
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	10	0.13
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	10	0.13
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	10	0.13
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	10	0.13
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	10	0.13
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG21	10	0.13
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG22	10	0.13
(1,1521)	1:71:A:GLN:HE21	1:68:A:VAL:HG23	10	0.13
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG21	10	0.13
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG22	10	0.13
(1,1521)	1:71:A:GLN:HE22	1:68:A:VAL:HG23	10	0.13
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB2	6	0.13
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB3	6	0.13
(1,1495)	1:118:A:TYR:HD1	1:115:A:PHE:HB2	10	0.13
(1,1495)	1:118:A:TYR:HD1	1:115:A:PHE:HB3	10	0.13
(1,1495)	1:118:A:TYR:HD2	1:115:A:PHE:HB2	10	0.13
(1,1495)	1:118:A:TYR:HD2	1:115:A:PHE:HB3	10	0.13
(1,1495)	1:118:A:TYR:HD1	1:115:A:PHE:HB2	14	0.13
(1,1495)	1:118:A:TYR:HD1	1:115:A:PHE:HB3	14	0.13
(1,1495)	1:118:A:TYR:HD2	1:115:A:PHE:HB2	14	0.13
(1,1495)	1:118:A:TYR:HD2	1:115:A:PHE:HB3	14	0.13
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	10	0.13
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	10	0.13
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	10	0.13
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	10	0.13
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	10	0.13
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	10	0.13
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	2	0.13
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	2	0.13
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	2	0.13
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	2	0.13
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD21	15	0.13
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD22	15	0.13
(1,1260)	1:7:A:TYR:HE1	1:32:A:LEU:HD23	15	0.13
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD21	15	0.13
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD22	15	0.13
(1,1260)	1:7:A:TYR:HE2	1:32:A:LEU:HD23	15	0.13
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	2	0.13
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	2	0.13
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	2	0.13
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	17	0.13
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	17	0.13
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG21	16	0.13
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG22	16	0.13
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG23	16	0.13
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD21	7	0.13
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD22	7	0.13
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD23	7	0.13
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD21	12	0.13
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD22	12	0.13
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD23	12	0.13
(1,1105)	1:169:A:ALA:HA	1:172:A:TYR:HB2	1	0.13
(1,1105)	1:169:A:ALA:HA	1:172:A:TYR:HB3	1	0.13
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	2	0.13
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	2	0.13
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	2	0.13
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	2	0.13
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	2	0.13
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	2	0.13
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	13	0.13
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	13	0.13
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	13	0.13
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	13	0.13
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	13	0.13
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	13	0.13
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	5	0.13
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	5	0.13
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	5	0.13
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	5	0.13
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	5	0.13
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	5	0.13
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG2	5	0.13
(1,1086)	1:77:A:LEU:HD11	1:44:A:GLU:HG3	5	0.13
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG2	5	0.13
(1,1086)	1:77:A:LEU:HD12	1:44:A:GLU:HG3	5	0.13
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG2	5	0.13
(1,1086)	1:77:A:LEU:HD13	1:44:A:GLU:HG3	5	0.13
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	2	0.13
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	2	0.13
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	2	0.13
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	2	0.13
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	2	0.13
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	13	0.13
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	13	0.13
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	13	0.13
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	13	0.13
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	13	0.13
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	13	0.13
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	5	0.13
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	5	0.13
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	5	0.13
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	5	0.13
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	15	0.13
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	15	0.13
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	15	0.13
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	15	0.13
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	16	0.13
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	16	0.13
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	16	0.13
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	16	0.13
(1,925)	1:152:A:LEU:HA	1:155:A:GLU:HG2	20	0.13
(1,925)	1:152:A:LEU:HA	1:155:A:GLU:HG3	20	0.13
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	2	0.13
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	2	0.13
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	17	0.13
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	17	0.13
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	17	0.13
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	17	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	1	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	4	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	5	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	7	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	9	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	10	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	16	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	17	0.13
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	19	0.13
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	11	0.13
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	11	0.13
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	11	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	1	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	1	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	3	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	3	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	3	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	8	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	8	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	8	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	9	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	9	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	9	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	10	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	10	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	10	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	17	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	17	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	17	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	18	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	18	0.13
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	18	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	1	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	1	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	1	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	1	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	1	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	1	0.13
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	1	0.13
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	1	0.13
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	1	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	9	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	9	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	9	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	9	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	9	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	9	0.13
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	9	0.13
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	9	0.13
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	9	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	17	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	17	0.13
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	17	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	17	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	17	0.13
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	17	0.13
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	17	0.13
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	17	0.13
(1,516)	1:127:A:THR:H	1:127:A:THR:HG21	9	0.13
(1,516)	1:127:A:THR:H	1:127:A:THR:HG22	9	0.13
(1,516)	1:127:A:THR:H	1:127:A:THR:HG23	9	0.13
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	16	0.13
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	16	0.13
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	16	0.13
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD11	16	0.13
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD12	16	0.13
(1,475)	1:41:A:LYS:HA	1:75:A:LEU:HD13	16	0.13
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	14	0.13
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	14	0.13
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	14	0.13
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	14	0.13
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	14	0.13
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	14	0.13
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	14	0.13
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	14	0.13
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	14	0.13
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	5	0.13
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	5	0.13
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	5	0.13
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	5	0.13
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	5	0.13
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	5	0.13
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD21	7	0.13
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD22	7	0.13
(1,389)	1:105:A:HIS:HA	1:84:A:LEU:HD23	7	0.13
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	9	0.13
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	9	0.13
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	9	0.13
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	9	0.13
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	9	0.13
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	9	0.13
(1,120)	1:73:A:ASP:H	1:73:A:ASP:HA	17	0.13
(1,102)	1:75:A:LEU:HD11	1:41:A:LYS:HA	16	0.13
(1,102)	1:75:A:LEU:HD12	1:41:A:LYS:HA	16	0.13
(1,102)	1:75:A:LEU:HD13	1:41:A:LYS:HA	16	0.13
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	5	0.12
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	6	0.12
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	7	0.12
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	10	0.12
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	18	0.12
(2,48)	1:139:A:PHE:HE1	1:119:A:TRP:HD1	2	0.12
(2,48)	1:139:A:PHE:HE2	1:119:A:TRP:HD1	2	0.12
(2,48)	1:139:A:PHE:HE1	1:119:A:TRP:HD1	14	0.12
(2,48)	1:139:A:PHE:HE2	1:119:A:TRP:HD1	14	0.12
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG11	15	0.12
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG12	15	0.12
(2,13)	1:80:A:LYS:H	1:82:A:VAL:HG13	15	0.12
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	2	0.12
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	13	0.12
(1,3559)	1:113:A:VAL:HG21	1:111:A:LYS:H	5	0.12
(1,3559)	1:113:A:VAL:HG22	1:111:A:LYS:H	5	0.12
(1,3559)	1:113:A:VAL:HG23	1:111:A:LYS:H	5	0.12
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	1	0.12
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	8	0.12
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	10	0.12
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	11	0.12
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	6	0.12
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	6	0.12
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	6	0.12
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	7	0.12
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	7	0.12
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	7	0.12
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	12	0.12
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	12	0.12
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	12	0.12
(1,3350)	1:127:A:THR:HG21	1:127:A:THR:H	20	0.12
(1,3350)	1:127:A:THR:HG22	1:127:A:THR:H	20	0.12
(1,3350)	1:127:A:THR:HG23	1:127:A:THR:H	20	0.12
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	1	0.12
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	15	0.12
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	19	0.12
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	20	0.12
(1,3229)	1:139:A:PHE:HB2	1:140:A:VAL:H	19	0.12
(1,3229)	1:139:A:PHE:HB3	1:140:A:VAL:H	19	0.12
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	3	0.12
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	3	0.12
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	9	0.12
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	10	0.12
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	10	0.12
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	16	0.12
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	16	0.12
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	2	0.12
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	3	0.12
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	13	0.12
(1,3081)	1:80:A:LYS:H	1:81:A:ILE:H	19	0.12
(1,3059)	1:76:A:ASN:HA	1:78:A:GLU:H	17	0.12
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	4	0.12
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	10	0.12
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	3	0.12
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	3	0.12
(1,2933)	1:65:A:TRP:HD1	1:52:A:GLY:H	2	0.12
(1,2933)	1:65:A:TRP:HD1	1:52:A:GLY:H	5	0.12
(1,2920)	1:51:A:LEU:HD21	1:51:A:LEU:H	4	0.12
(1,2920)	1:51:A:LEU:HD22	1:51:A:LEU:H	4	0.12
(1,2920)	1:51:A:LEU:HD23	1:51:A:LEU:H	4	0.12
(1,2771)	1:22:A:ARG:HB2	1:31:A:THR:H	10	0.12
(1,2771)	1:22:A:ARG:HB3	1:31:A:THR:H	10	0.12
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	2	0.12
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	6	0.12
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	8	0.12
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	16	0.12
(1,2714)	1:22:A:ARG:HB2	1:23:A:ASP:H	7	0.12
(1,2714)	1:22:A:ARG:HB3	1:23:A:ASP:H	7	0.12
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	10	0.12
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	16	0.12
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	17	0.12
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD1	17	0.12
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD2	17	0.12
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD1	17	0.12
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD2	17	0.12
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE1	19	0.12
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE2	19	0.12
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE3	19	0.12
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	3	0.12
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	3	0.12
(1,2533)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	3	0.12
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	6	0.12
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	10	0.12
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	18	0.12
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD21	3	0.12
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD22	3	0.12
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD23	3	0.12
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD21	3	0.12
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD22	3	0.12
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD23	3	0.12
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG21	10	0.12
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG22	10	0.12
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG23	10	0.12
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG21	10	0.12
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG22	10	0.12
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG23	10	0.12
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG21	7	0.12
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG22	7	0.12
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG23	7	0.12
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG21	7	0.12
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG22	7	0.12
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG23	7	0.12
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	11	0.12
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	11	0.12
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	11	0.12
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	11	0.12
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	11	0.12
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	11	0.12
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	13	0.12
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	13	0.12
(1,2331)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	13	0.12
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	13	0.12
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	13	0.12
(1,2331)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	13	0.12
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG11	7	0.12
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG12	7	0.12
(1,2314)	1:105:A:HIS:HB2	1:140:A:VAL:HG13	7	0.12
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG11	7	0.12
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG12	7	0.12
(1,2314)	1:105:A:HIS:HB3	1:140:A:VAL:HG13	7	0.12
(1,2305)	1:111:A:LYS:H	1:113:A:VAL:HG11	13	0.12
(1,2305)	1:111:A:LYS:H	1:113:A:VAL:HG12	13	0.12
(1,2305)	1:111:A:LYS:H	1:113:A:VAL:HG13	13	0.12
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	3	0.12
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	19	0.12
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	19	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	1	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	2	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	3	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	4	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	5	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	6	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	7	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	8	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	9	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	11	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	14	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	15	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	16	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	17	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	18	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	19	0.12
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	20	0.12
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	12	0.12
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	15	0.12
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	16	0.12
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	17	0.12
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD11	9	0.12
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD12	9	0.12
(1,2213)	1:101:A:LEU:HB2	1:98:A:LEU:HD13	9	0.12
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD11	9	0.12
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD12	9	0.12
(1,2213)	1:101:A:LEU:HB3	1:98:A:LEU:HD13	9	0.12
(1,2201)	1:170:A:GLU:HB2	1:167:A:GLU:HA	17	0.12
(1,2201)	1:170:A:GLU:HB3	1:167:A:GLU:HA	17	0.12
(1,2186)	1:167:A:GLU:HG2	1:164:A:ILE:HA	2	0.12
(1,2186)	1:167:A:GLU:HG3	1:164:A:ILE:HA	2	0.12
(1,2186)	1:167:A:GLU:HG2	1:164:A:ILE:HA	7	0.12
(1,2186)	1:167:A:GLU:HG3	1:164:A:ILE:HA	7	0.12
(1,2186)	1:167:A:GLU:HG2	1:164:A:ILE:HA	9	0.12
(1,2186)	1:167:A:GLU:HG3	1:164:A:ILE:HA	9	0.12
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	11	0.12
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	11	0.12
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	11	0.12
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	11	0.12
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	19	0.12
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	19	0.12
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	19	0.12
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	10	0.12
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	10	0.12
(1,2123)	1:138:A:LEU:HG	1:140:A:VAL:HA	7	0.12
(1,2036)	1:55:A:THR:H	1:55:A:THR:HB	10	0.12
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD11	15	0.12
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD12	15	0.12
(1,1952)	1:88:A:GLY:HA2	1:98:A:LEU:HD13	15	0.12
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD11	15	0.12
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD12	15	0.12
(1,1952)	1:88:A:GLY:HA3	1:98:A:LEU:HD13	15	0.12
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG21	13	0.12
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG22	13	0.12
(1,1943)	1:139:A:PHE:HA	1:132:A:VAL:HG23	13	0.12
(1,1920)	1:82:A:VAL:H	1:114:A:LYS:HB2	13	0.12
(1,1920)	1:82:A:VAL:H	1:114:A:LYS:HB3	13	0.12
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB1	13	0.12
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB2	13	0.12
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB3	13	0.12
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB1	13	0.12
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB2	13	0.12
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB3	13	0.12
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB1	15	0.12
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB2	15	0.12
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB3	15	0.12
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB1	15	0.12
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB2	15	0.12
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB3	15	0.12
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	11	0.12
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	11	0.12
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	11	0.12
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	11	0.12
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	11	0.12
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	11	0.12
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG11	13	0.12
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG12	13	0.12
(1,1835)	1:167:A:GLU:HB2	1:116:A:VAL:HG13	13	0.12
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG11	13	0.12
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG12	13	0.12
(1,1835)	1:167:A:GLU:HB3	1:116:A:VAL:HG13	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG11	2	0.12
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG12	2	0.12
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG13	2	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG11	2	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG12	2	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG13	2	0.12
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG11	19	0.12
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG12	19	0.12
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG13	19	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG11	19	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG12	19	0.12
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG13	19	0.12
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG11	8	0.12
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG12	8	0.12
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG13	8	0.12
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	7	0.12
(1,1790)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	7	0.12
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	7	0.12
(1,1790)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	7	0.12
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	7	0.12
(1,1790)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	7	0.12
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	8	0.12
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	8	0.12
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	8	0.12
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	8	0.12
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	8	0.12
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	8	0.12
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD2	8	0.12
(1,1788)	1:72:A:LEU:HD21	1:107:A:LYS:HD3	8	0.12
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD2	8	0.12
(1,1788)	1:72:A:LEU:HD22	1:107:A:LYS:HD3	8	0.12
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD2	8	0.12
(1,1788)	1:72:A:LEU:HD23	1:107:A:LYS:HD3	8	0.12
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA2	15	0.12
(1,1779)	1:98:A:LEU:HD11	1:88:A:GLY:HA3	15	0.12
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA2	15	0.12
(1,1779)	1:98:A:LEU:HD12	1:88:A:GLY:HA3	15	0.12
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA2	15	0.12
(1,1779)	1:98:A:LEU:HD13	1:88:A:GLY:HA3	15	0.12
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	3	0.12
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	3	0.12
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	3	0.12
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB2	2	0.12
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB3	2	0.12
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	3	0.12
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	8	0.12
(1,1602)	1:104:A:LEU:HB2	1:51:A:LEU:HB2	1	0.12
(1,1602)	1:104:A:LEU:HB2	1:51:A:LEU:HB3	1	0.12
(1,1602)	1:104:A:LEU:HB3	1:51:A:LEU:HB2	1	0.12
(1,1602)	1:104:A:LEU:HB3	1:51:A:LEU:HB3	1	0.12
(1,1602)	1:104:A:LEU:HB2	1:51:A:LEU:HB2	15	0.12
(1,1602)	1:104:A:LEU:HB2	1:51:A:LEU:HB3	15	0.12
(1,1602)	1:104:A:LEU:HB3	1:51:A:LEU:HB2	15	0.12
(1,1602)	1:104:A:LEU:HB3	1:51:A:LEU:HB3	15	0.12
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG21	3	0.12
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG22	3	0.12
(1,1526)	1:64:A:ASP:HA	1:68:A:VAL:HG23	3	0.12
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	14	0.12
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	14	0.12
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	14	0.12
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB2	1	0.12
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB3	1	0.12
(1,1329)	1:36:A:LYS:H	1:36:A:LYS:HA	14	0.12
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	9	0.12
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	9	0.12
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	9	0.12
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	9	0.12
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	13	0.12
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	13	0.12
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	13	0.12
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	13	0.12
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	19	0.12
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	19	0.12
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	19	0.12
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	19	0.12
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	14	0.12
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	14	0.12
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	14	0.12
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	17	0.12
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	17	0.12
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	17	0.12
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	9	0.12
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	9	0.12
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD21	17	0.12
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD22	17	0.12
(1,1201)	1:28:A:GLU:HA	1:29:A:LEU:HD23	17	0.12
(1,1105)	1:169:A:ALA:HA	1:172:A:TYR:HB2	19	0.12
(1,1105)	1:169:A:ALA:HA	1:172:A:TYR:HB3	19	0.12
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	3	0.12
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	3	0.12
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	3	0.12
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	3	0.12
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	3	0.12
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	3	0.12
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	6	0.12
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	6	0.12
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	6	0.12
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	6	0.12
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	6	0.12
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	6	0.12
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	3	0.12
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	3	0.12
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	3	0.12
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	3	0.12
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	3	0.12
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	3	0.12
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	6	0.12
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	6	0.12
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	6	0.12
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	6	0.12
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	6	0.12
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	6	0.12
(1,992)	1:152:A:LEU:HA	1:152:A:LEU:HG	7	0.12
(1,992)	1:152:A:LEU:HA	1:152:A:LEU:HG	11	0.12
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	1	0.12
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	1	0.12
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	1	0.12
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	1	0.12
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	4	0.12
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	4	0.12
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	4	0.12
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	4	0.12
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	11	0.12
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	11	0.12
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	11	0.12
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD2	20	0.12
(1,974)	1:103:A:MET:HB2	1:130:A:LYS:HD3	20	0.12
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD2	20	0.12
(1,974)	1:103:A:MET:HB3	1:130:A:LYS:HD3	20	0.12
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	11	0.12
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	11	0.12
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	14	0.12
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	14	0.12
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	19	0.12
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	19	0.12
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	6	0.12
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	6	0.12
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	15	0.12
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	15	0.12
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	16	0.12
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	16	0.12
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	3	0.12
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	3	0.12
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	10	0.12
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	10	0.12
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	10	0.12
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	14	0.12
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	14	0.12
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	14	0.12
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	17	0.12
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	17	0.12
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	17	0.12
(1,886)	1:21:A:ILE:HB	1:18:A:ALA:HA	5	0.12
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	14	0.12
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	14	0.12
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	14	0.12
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	3	0.12
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	6	0.12
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	12	0.12
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	15	0.12
(1,768)	1:50:A:ILE:H	1:50:A:ILE:HA	18	0.12
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD11	7	0.12
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD12	7	0.12
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD13	7	0.12
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD11	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD12	7	0.12
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD13	7	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	4	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	4	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	4	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	5	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	5	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	5	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	13	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	13	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	13	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	14	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	14	0.12
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	14	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	6	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	6	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	6	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	7	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	7	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	7	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	12	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	12	0.12
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	12	0.12
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	6	0.12
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	6	0.12
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	6	0.12
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	12	0.12
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	12	0.12
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	12	0.12
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG11	3	0.12
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG12	3	0.12
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG13	3	0.12
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG11	3	0.12
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG12	3	0.12
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG13	3	0.12
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG11	3	0.12
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG12	3	0.12
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG13	3	0.12
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG11	3	0.12
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG12	3	0.12
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG13	3	0.12
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG11	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG12	3	0.12
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG13	3	0.12
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG11	3	0.12
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG12	3	0.12
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG13	3	0.12
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG11	11	0.12
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG12	11	0.12
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG13	11	0.12
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	19	0.12
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	19	0.12
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	19	0.12
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	19	0.12
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	19	0.12
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	19	0.12
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	19	0.12
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	19	0.12
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	19	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG21	7	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG22	7	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG23	7	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG21	7	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG22	7	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG23	7	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG21	13	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG22	13	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG23	13	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG21	13	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG22	13	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG23	13	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG21	16	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG22	16	0.12
(1,533)	1:91:A:LEU:HB2	1:147:A:THR:HG23	16	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG21	16	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG22	16	0.12
(1,533)	1:91:A:LEU:HB3	1:147:A:THR:HG23	16	0.12
(1,516)	1:127:A:THR:H	1:127:A:THR:HG21	20	0.12
(1,516)	1:127:A:THR:H	1:127:A:THR:HG22	20	0.12
(1,516)	1:127:A:THR:H	1:127:A:THR:HG23	20	0.12
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD11	8	0.12
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD12	8	0.12
(1,514)	1:6:A:PHE:HE1	1:72:A:LEU:HD13	8	0.12
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD11	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD12	8	0.12
(1,514)	1:6:A:PHE:HE2	1:72:A:LEU:HD13	8	0.12
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD21	16	0.12
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD22	16	0.12
(1,487)	1:6:A:PHE:HD1	1:35:A:LEU:HD23	16	0.12
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD21	16	0.12
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD22	16	0.12
(1,487)	1:6:A:PHE:HD2	1:35:A:LEU:HD23	16	0.12
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD21	3	0.12
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD22	3	0.12
(1,435)	1:144:A:LEU:HD11	1:142:A:LEU:HD23	3	0.12
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD21	3	0.12
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD22	3	0.12
(1,435)	1:144:A:LEU:HD12	1:142:A:LEU:HD23	3	0.12
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD21	3	0.12
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD22	3	0.12
(1,435)	1:144:A:LEU:HD13	1:142:A:LEU:HD23	3	0.12
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD21	18	0.12
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD22	18	0.12
(1,388)	1:144:A:LEU:HB2	1:87:A:LEU:HD23	18	0.12
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD21	18	0.12
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD22	18	0.12
(1,388)	1:144:A:LEU:HB3	1:87:A:LEU:HD23	18	0.12
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB2	7	0.12
(1,321)	1:140:A:VAL:HG11	1:105:A:HIS:HB3	7	0.12
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB2	7	0.12
(1,321)	1:140:A:VAL:HG12	1:105:A:HIS:HB3	7	0.12
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB2	7	0.12
(1,321)	1:140:A:VAL:HG13	1:105:A:HIS:HB3	7	0.12
(1,268)	1:158:A:GLN:HA	1:158:A:GLN:HG2	16	0.12
(1,268)	1:158:A:GLN:HA	1:158:A:GLN:HG3	16	0.12
(1,185)	1:130:A:LYS:HA	1:130:A:LYS:HE2	13	0.12
(1,185)	1:130:A:LYS:HA	1:130:A:LYS:HE3	13	0.12
(1,180)	1:104:A:LEU:HB2	1:51:A:LEU:HB2	1	0.12
(1,180)	1:104:A:LEU:HB2	1:51:A:LEU:HB3	1	0.12
(1,180)	1:104:A:LEU:HB3	1:51:A:LEU:HB2	1	0.12
(1,180)	1:104:A:LEU:HB3	1:51:A:LEU:HB3	1	0.12
(1,180)	1:104:A:LEU:HB2	1:51:A:LEU:HB2	15	0.12
(1,180)	1:104:A:LEU:HB2	1:51:A:LEU:HB3	15	0.12
(1,180)	1:104:A:LEU:HB3	1:51:A:LEU:HB2	15	0.12
(1,180)	1:104:A:LEU:HB3	1:51:A:LEU:HB3	15	0.12
(1,178)	1:19:A:GLU:HA	1:22:A:ARG:HD2	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:19:A:GLU:HA	1:22:A:ARG:HD3	7	0.12
(1,55)	1:158:A:GLN:HG2	1:158:A:GLN:HA	16	0.12
(1,55)	1:158:A:GLN:HG3	1:158:A:GLN:HA	16	0.12
(1,50)	1:119:A:TRP:HE3	1:121:A:THR:HA	7	0.12
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	5	0.11
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	8	0.11
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	9	0.11
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	12	0.11
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	15	0.11
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	16	0.11
(2,48)	1:139:A:PHE:HE1	1:119:A:TRP:HD1	7	0.11
(2,48)	1:139:A:PHE:HE2	1:119:A:TRP:HD1	7	0.11
(2,39)	1:2:A:ASN:HD21	1:1:A:MET:HE1	15	0.11
(2,39)	1:2:A:ASN:HD21	1:1:A:MET:HE2	15	0.11
(2,39)	1:2:A:ASN:HD21	1:1:A:MET:HE3	15	0.11
(2,39)	1:2:A:ASN:HD22	1:1:A:MET:HE1	15	0.11
(2,39)	1:2:A:ASN:HD22	1:1:A:MET:HE2	15	0.11
(2,39)	1:2:A:ASN:HD22	1:1:A:MET:HE3	15	0.11
(2,1)	1:101:A:LEU:HG	1:98:A:LEU:HG	9	0.11
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	11	0.11
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	11	0.11
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	11	0.11
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	11	0.11
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	11	0.11
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	11	0.11
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE21	11	0.11
(1,3663)	1:42:A:LEU:HD21	1:45:A:GLN:HE22	11	0.11
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE21	11	0.11
(1,3663)	1:42:A:LEU:HD22	1:45:A:GLN:HE22	11	0.11
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE21	11	0.11
(1,3663)	1:42:A:LEU:HD23	1:45:A:GLN:HE22	11	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	1	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	1	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	1	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	1	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	2	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	2	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	2	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	2	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	3	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	3	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	3	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	6	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	6	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	6	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	6	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	15	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	15	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	15	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	15	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	19	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	19	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	19	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	19	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	20	0.11
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	20	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	20	0.11
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	20	0.11
(1,3625)	1:65:A:TRP:HH2	1:104:A:LEU:H	18	0.11
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	11	0.11
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	12	0.11
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	14	0.11
(1,3519)	1:160:A:TRP:HD1	1:161:A:CYS:H	18	0.11
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	19	0.11
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	19	0.11
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	19	0.11
(1,3402)	1:134:A:ALA:HB1	1:135:A:ASP:H	11	0.11
(1,3402)	1:134:A:ALA:HB2	1:135:A:ASP:H	11	0.11
(1,3402)	1:134:A:ALA:HB3	1:135:A:ASP:H	11	0.11
(1,3374)	1:60:A:GLU:HA	1:61:A:ILE:H	19	0.11
(1,3350)	1:127:A:THR:HG21	1:127:A:THR:H	19	0.11
(1,3350)	1:127:A:THR:HG22	1:127:A:THR:H	19	0.11
(1,3350)	1:127:A:THR:HG23	1:127:A:THR:H	19	0.11
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	3	0.11
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	15	0.11
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	14	0.11
(1,3263)	1:111:A:LYS:HA	1:111:A:LYS:H	17	0.11
(1,3236)	1:101:A:LEU:HD11	1:102:A:GLY:H	16	0.11
(1,3236)	1:101:A:LEU:HD12	1:102:A:GLY:H	16	0.11
(1,3236)	1:101:A:LEU:HD13	1:102:A:GLY:H	16	0.11
(1,3142)	1:104:A:LEU:HD11	1:107:A:LYS:H	19	0.11
(1,3142)	1:104:A:LEU:HD12	1:107:A:LYS:H	19	0.11
(1,3142)	1:104:A:LEU:HD13	1:107:A:LYS:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3124)	1:101:A:LEU:HG	1:86:A:GLY:H	1	0.11
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	10	0.11
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	18	0.11
(1,3023)	1:74:A:ASP:HA	1:74:A:ASP:H	16	0.11
(1,2989)	1:72:A:LEU:HG	1:71:A:GLN:H	16	0.11
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	1	0.11
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	1	0.11
(1,2957)	1:66:A:GLU:HG2	1:66:A:GLU:H	4	0.11
(1,2957)	1:66:A:GLU:HG3	1:66:A:GLU:H	4	0.11
(1,2771)	1:22:A:ARG:HB2	1:31:A:THR:H	8	0.11
(1,2771)	1:22:A:ARG:HB3	1:31:A:THR:H	8	0.11
(1,2771)	1:22:A:ARG:HB2	1:31:A:THR:H	14	0.11
(1,2771)	1:22:A:ARG:HB3	1:31:A:THR:H	14	0.11
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	5	0.11
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	13	0.11
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	14	0.11
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	15	0.11
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	18	0.11
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	20	0.11
(1,2714)	1:22:A:ARG:HB2	1:23:A:ASP:H	6	0.11
(1,2714)	1:22:A:ARG:HB3	1:23:A:ASP:H	6	0.11
(1,2714)	1:22:A:ARG:HB2	1:23:A:ASP:H	16	0.11
(1,2714)	1:22:A:ARG:HB3	1:23:A:ASP:H	16	0.11
(1,2714)	1:22:A:ARG:HB2	1:23:A:ASP:H	18	0.11
(1,2714)	1:22:A:ARG:HB3	1:23:A:ASP:H	18	0.11
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	3	0.11
(1,2675)	1:33:A:HIS:HD2	1:5:A:LEU:H	7	0.11
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD1	12	0.11
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD2	12	0.11
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD1	12	0.11
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD2	12	0.11
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD1	18	0.11
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD2	18	0.11
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD1	18	0.11
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD2	18	0.11
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE2	16	0.11
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE3	16	0.11
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE2	20	0.11
(1,2595)	1:20:A:LYS:HA	1:20:A:LYS:HE3	20	0.11
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE1	18	0.11
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE2	18	0.11
(1,2587)	1:17:A:ALA:H	1:16:A:MET:HE3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD21	17	0.11
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD22	17	0.11
(1,2436)	1:85:A:TYR:HE1	1:142:A:LEU:HD23	17	0.11
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD21	17	0.11
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD22	17	0.11
(1,2436)	1:85:A:TYR:HE2	1:142:A:LEU:HD23	17	0.11
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD21	9	0.11
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD22	9	0.11
(1,2435)	1:160:A:TRP:HZ3	1:142:A:LEU:HD23	9	0.11
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG21	17	0.11
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG22	17	0.11
(1,2426)	1:141:A:GLY:HA2	1:140:A:VAL:HG23	17	0.11
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG21	17	0.11
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG22	17	0.11
(1,2426)	1:141:A:GLY:HA3	1:140:A:VAL:HG23	17	0.11
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG21	9	0.11
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG22	9	0.11
(1,2407)	1:50:A:ILE:HG12	1:164:A:ILE:HG23	9	0.11
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG21	9	0.11
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG22	9	0.11
(1,2407)	1:50:A:ILE:HG13	1:164:A:ILE:HG23	9	0.11
(1,2344)	1:124:A:TYR:HD1	1:121:A:THR:HA	17	0.11
(1,2344)	1:124:A:TYR:HD2	1:121:A:THR:HA	17	0.11
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	6	0.11
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	6	0.11
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	9	0.11
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	9	0.11
(1,2261)	1:104:A:LEU:H	1:104:A:LEU:HG	11	0.11
(1,2231)	1:104:A:LEU:HD11	1:108:A:LEU:HA	14	0.11
(1,2231)	1:104:A:LEU:HD12	1:108:A:LEU:HA	14	0.11
(1,2231)	1:104:A:LEU:HD13	1:108:A:LEU:HA	14	0.11
(1,2231)	1:104:A:LEU:HD11	1:108:A:LEU:HA	20	0.11
(1,2231)	1:104:A:LEU:HD12	1:108:A:LEU:HA	20	0.11
(1,2231)	1:104:A:LEU:HD13	1:108:A:LEU:HA	20	0.11
(1,2218)	1:159:A:SER:H	1:155:A:GLU:HA	4	0.11
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	10	0.11
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	12	0.11
(1,2217)	1:164:A:ILE:H	1:163:A:GLN:HA	13	0.11
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	7	0.11
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	14	0.11
(1,2201)	1:170:A:GLU:HB2	1:167:A:GLU:HA	14	0.11
(1,2201)	1:170:A:GLU:HB3	1:167:A:GLU:HA	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2186)	1:167:A:GLU:HG2	1:164:A:ILE:HA	6	0.11
(1,2186)	1:167:A:GLU:HG3	1:164:A:ILE:HA	6	0.11
(1,2186)	1:167:A:GLU:HG2	1:164:A:ILE:HA	10	0.11
(1,2186)	1:167:A:GLU:HG3	1:164:A:ILE:HA	10	0.11
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	5	0.11
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	5	0.11
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	5	0.11
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	5	0.11
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG2	13	0.11
(1,2171)	1:171:A:HIS:HB2	1:170:A:GLU:HG3	13	0.11
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG2	13	0.11
(1,2171)	1:171:A:HIS:HB3	1:170:A:GLU:HG3	13	0.11
(1,2121)	1:133:A:ILE:HD11	1:140:A:VAL:HA	5	0.11
(1,2121)	1:133:A:ILE:HD12	1:140:A:VAL:HA	5	0.11
(1,2121)	1:133:A:ILE:HD13	1:140:A:VAL:HA	5	0.11
(1,2121)	1:133:A:ILE:HD11	1:140:A:VAL:HA	20	0.11
(1,2121)	1:133:A:ILE:HD12	1:140:A:VAL:HA	20	0.11
(1,2121)	1:133:A:ILE:HD13	1:140:A:VAL:HA	20	0.11
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB2	14	0.11
(1,2096)	1:139:A:PHE:HB2	1:142:A:LEU:HB3	14	0.11
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB2	14	0.11
(1,2096)	1:139:A:PHE:HB3	1:142:A:LEU:HB3	14	0.11
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB1	17	0.11
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB2	17	0.11
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB3	17	0.11
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB1	18	0.11
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB2	18	0.11
(1,2084)	1:61:A:ILE:HB	1:100:A:ALA:HB3	18	0.11
(1,2036)	1:55:A:THR:H	1:55:A:THR:HB	7	0.11
(1,2035)	1:100:A:ALA:H	1:55:A:THR:HB	9	0.11
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD11	11	0.11
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD12	11	0.11
(1,1951)	1:87:A:LEU:HA	1:98:A:LEU:HD13	11	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	7	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	7	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	7	0.11
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	7	0.11
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	7	0.11
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	7	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	16	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	16	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	16	0.11
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	16	0.11
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	16	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG11	18	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG12	18	0.11
(1,1945)	1:22:A:ARG:HG2	1:30:A:VAL:HG13	18	0.11
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG11	18	0.11
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG12	18	0.11
(1,1945)	1:22:A:ARG:HG3	1:30:A:VAL:HG13	18	0.11
(1,1942)	1:119:A:TRP:H	1:138:A:LEU:HD11	3	0.11
(1,1942)	1:119:A:TRP:H	1:138:A:LEU:HD12	3	0.11
(1,1942)	1:119:A:TRP:H	1:138:A:LEU:HD13	3	0.11
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD11	19	0.11
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD12	19	0.11
(1,1939)	1:107:A:LYS:H	1:104:A:LEU:HD13	19	0.11
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB1	19	0.11
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB2	19	0.11
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB3	19	0.11
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB1	19	0.11
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB2	19	0.11
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB3	19	0.11
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG11	14	0.11
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG12	14	0.11
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG13	14	0.11
(1,1752)	1:87:A:LEU:H	1:144:A:LEU:HG	6	0.11
(1,1752)	1:87:A:LEU:H	1:144:A:LEU:HG	7	0.11
(1,1752)	1:87:A:LEU:H	1:144:A:LEU:HG	14	0.11
(1,1670)	1:168:A:MET:HB2	1:169:A:ALA:HB1	7	0.11
(1,1670)	1:168:A:MET:HB2	1:169:A:ALA:HB2	7	0.11
(1,1670)	1:168:A:MET:HB2	1:169:A:ALA:HB3	7	0.11
(1,1670)	1:168:A:MET:HB3	1:169:A:ALA:HB1	7	0.11
(1,1670)	1:168:A:MET:HB3	1:169:A:ALA:HB2	7	0.11
(1,1670)	1:168:A:MET:HB3	1:169:A:ALA:HB3	7	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	8	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	8	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	8	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	8	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	12	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	12	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	12	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	12	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	13	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	13	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	13	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	15	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	15	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	15	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	15	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	18	0.11
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	18	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	18	0.11
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	18	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB2	5	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB3	5	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB2	6	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB3	6	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB2	7	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB3	7	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB2	12	0.11
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB3	12	0.11
(1,1639)	1:133:A:ILE:H	1:133:A:ILE:HA	1	0.11
(1,1602)	1:104:A:LEU:HB2	1:51:A:LEU:HB2	19	0.11
(1,1602)	1:104:A:LEU:HB2	1:51:A:LEU:HB3	19	0.11
(1,1602)	1:104:A:LEU:HB3	1:51:A:LEU:HB2	19	0.11
(1,1602)	1:104:A:LEU:HB3	1:51:A:LEU:HB3	19	0.11
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG21	17	0.11
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG22	17	0.11
(1,1527)	1:35:A:LEU:HA	1:68:A:VAL:HG23	17	0.11
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG11	20	0.11
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG12	20	0.11
(1,1525)	1:3:A:MET:HA	1:48:A:VAL:HG13	20	0.11
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB2	8	0.11
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB3	8	0.11
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB2	10	0.11
(1,1504)	1:36:A:LYS:H	1:64:A:ASP:HB3	10	0.11
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	3	0.11
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	3	0.11
(1,1439)	1:158:A:GLN:HE21	1:162:A:GLU:HA	13	0.11
(1,1439)	1:158:A:GLN:HE22	1:162:A:GLU:HA	13	0.11
(1,1329)	1:36:A:LYS:H	1:36:A:LYS:HA	19	0.11
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	8	0.11
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	8	0.11
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	8	0.11
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	18	0.11
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	18	0.11
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	18	0.11
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	18	0.11
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	6	0.11
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	6	0.11
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	6	0.11
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD11	5	0.11
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD12	5	0.11
(1,1219)	1:142:A:LEU:HG	1:144:A:LEU:HD13	5	0.11
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD11	16	0.11
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD12	16	0.11
(1,1214)	1:72:A:LEU:H	1:72:A:LEU:HD13	16	0.11
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	9	0.11
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	9	0.11
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	9	0.11
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	9	0.11
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	9	0.11
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	9	0.11
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	9	0.11
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	9	0.11
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	9	0.11
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	9	0.11
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	9	0.11
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	9	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	3	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	3	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	3	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	11	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	11	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	11	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	12	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	12	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	12	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD21	19	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD22	19	0.11
(1,1025)	1:75:A:LEU:H	1:75:A:LEU:HD23	19	0.11
(1,992)	1:152:A:LEU:HA	1:152:A:LEU:HG	13	0.11
(1,966)	1:85:A:TYR:HD1	1:164:A:ILE:HD11	5	0.11
(1,966)	1:85:A:TYR:HD1	1:164:A:ILE:HD12	5	0.11
(1,966)	1:85:A:TYR:HD1	1:164:A:ILE:HD13	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:85:A:TYR:HD2	1:164:A:ILE:HD11	5	0.11
(1,966)	1:85:A:TYR:HD2	1:164:A:ILE:HD12	5	0.11
(1,966)	1:85:A:TYR:HD2	1:164:A:ILE:HD13	5	0.11
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	1	0.11
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	1	0.11
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	8	0.11
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	8	0.11
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	10	0.11
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	10	0.11
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG2	17	0.11
(1,927)	1:20:A:LYS:HA	1:19:A:GLU:HG3	17	0.11
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	8	0.11
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	8	0.11
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	14	0.11
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	14	0.11
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	19	0.11
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	19	0.11
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	1	0.11
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	1	0.11
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG2	4	0.11
(1,915)	1:66:A:GLU:H	1:66:A:GLU:HG3	4	0.11
(1,912)	1:156:A:ARG:H	1:155:A:GLU:HG2	5	0.11
(1,912)	1:156:A:ARG:H	1:155:A:GLU:HG3	5	0.11
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	8	0.11
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	8	0.11
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	8	0.11
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	9	0.11
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	9	0.11
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	9	0.11
(1,887)	1:32:A:LEU:HD21	1:18:A:ALA:HA	20	0.11
(1,887)	1:32:A:LEU:HD22	1:18:A:ALA:HA	20	0.11
(1,887)	1:32:A:LEU:HD23	1:18:A:ALA:HA	20	0.11
(1,825)	1:48:A:VAL:HG11	1:3:A:MET:HA	20	0.11
(1,825)	1:48:A:VAL:HG12	1:3:A:MET:HA	20	0.11
(1,825)	1:48:A:VAL:HG13	1:3:A:MET:HA	20	0.11
(1,732)	1:101:A:LEU:HA	1:53:A:ILE:HG21	5	0.11
(1,732)	1:101:A:LEU:HA	1:53:A:ILE:HG22	5	0.11
(1,732)	1:101:A:LEU:HA	1:53:A:ILE:HG23	5	0.11
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB1	15	0.11
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB2	15	0.11
(1,717)	1:138:A:LEU:H	1:134:A:ALA:HB3	15	0.11
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB1	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB2	11	0.11
(1,715)	1:135:A:ASP:H	1:134:A:ALA:HB3	11	0.11
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	8	0.11
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	8	0.11
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	8	0.11
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	8	0.11
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	8	0.11
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	8	0.11
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG11	11	0.11
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG12	11	0.11
(1,602)	1:35:A:LEU:HD21	1:68:A:VAL:HG13	11	0.11
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG11	11	0.11
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG12	11	0.11
(1,602)	1:35:A:LEU:HD22	1:68:A:VAL:HG13	11	0.11
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG11	11	0.11
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG12	11	0.11
(1,602)	1:35:A:LEU:HD23	1:68:A:VAL:HG13	11	0.11
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG11	11	0.11
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG12	11	0.11
(1,602)	1:35:A:LEU:HD11	1:68:A:VAL:HG13	11	0.11
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG11	11	0.11
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG12	11	0.11
(1,602)	1:35:A:LEU:HD12	1:68:A:VAL:HG13	11	0.11
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG11	11	0.11
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG12	11	0.11
(1,602)	1:35:A:LEU:HD13	1:68:A:VAL:HG13	11	0.11
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE1	5	0.11
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE2	5	0.11
(1,591)	1:48:A:VAL:HG21	1:3:A:MET:HE3	5	0.11
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE1	5	0.11
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE2	5	0.11
(1,591)	1:48:A:VAL:HG22	1:3:A:MET:HE3	5	0.11
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE1	5	0.11
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE2	5	0.11
(1,591)	1:48:A:VAL:HG23	1:3:A:MET:HE3	5	0.11
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG21	11	0.11
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG22	11	0.11
(1,559)	1:118:A:TYR:HE1	1:140:A:VAL:HG23	11	0.11
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG21	11	0.11
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG22	11	0.11
(1,559)	1:118:A:TYR:HE2	1:140:A:VAL:HG23	11	0.11
(1,516)	1:127:A:THR:H	1:127:A:THR:HG21	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:127:A:THR:H	1:127:A:THR:HG22	19	0.11
(1,516)	1:127:A:THR:H	1:127:A:THR:HG23	19	0.11
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD11	17	0.11
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD12	17	0.11
(1,483)	1:121:A:THR:H	1:138:A:LEU:HD13	17	0.11
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG21	17	0.11
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG22	17	0.11
(1,465)	1:126:A:PHE:HZ	1:132:A:VAL:HG23	17	0.11
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD11	7	0.11
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD12	7	0.11
(1,412)	1:22:A:ARG:HG2	1:32:A:LEU:HD13	7	0.11
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD11	7	0.11
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD12	7	0.11
(1,412)	1:22:A:ARG:HG3	1:32:A:LEU:HD13	7	0.11
(1,393)	1:133:A:ILE:HD11	1:138:A:LEU:HG	10	0.11
(1,393)	1:133:A:ILE:HD12	1:138:A:LEU:HG	10	0.11
(1,393)	1:133:A:ILE:HD13	1:138:A:LEU:HG	10	0.11
(1,325)	1:36:A:LYS:HA	1:36:A:LYS:HD2	15	0.11
(1,325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	15	0.11
(1,180)	1:104:A:LEU:HB2	1:51:A:LEU:HB2	19	0.11
(1,180)	1:104:A:LEU:HB2	1:51:A:LEU:HB3	19	0.11
(1,180)	1:104:A:LEU:HB3	1:51:A:LEU:HB2	19	0.11
(1,180)	1:104:A:LEU:HB3	1:51:A:LEU:HB3	19	0.11
(1,178)	1:19:A:GLU:HA	1:22:A:ARG:HD2	20	0.11
(1,178)	1:19:A:GLU:HA	1:22:A:ARG:HD3	20	0.11
(1,134)	1:61:A:ILE:H	1:60:A:GLU:HA	19	0.11
(1,120)	1:73:A:ASP:H	1:73:A:ASP:HA	13	0.11
(2,69)	1:87:A:LEU:H	1:85:A:TYR:H	1	0.1
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	8	0.1
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	8	0.1
(2,63)	1:71:A:GLN:HE21	1:74:A:ASP:H	18	0.1
(2,63)	1:71:A:GLN:HE22	1:74:A:ASP:H	18	0.1
(2,53)	1:44:A:GLU:HA	1:42:A:LEU:H	3	0.1
(2,48)	1:139:A:PHE:HE1	1:119:A:TRP:HD1	8	0.1
(2,48)	1:139:A:PHE:HE2	1:119:A:TRP:HD1	8	0.1
(2,1)	1:101:A:LEU:HG	1:98:A:LEU:HG	3	0.1
(1,3678)	1:64:A:ASP:HB2	1:62:A:GLN:HE21	8	0.1
(1,3678)	1:64:A:ASP:HB2	1:62:A:GLN:HE22	8	0.1
(1,3678)	1:64:A:ASP:HB3	1:62:A:GLN:HE21	8	0.1
(1,3678)	1:64:A:ASP:HB3	1:62:A:GLN:HE22	8	0.1
(1,3678)	1:64:A:ASP:HB2	1:62:A:GLN:HE21	13	0.1
(1,3678)	1:64:A:ASP:HB2	1:62:A:GLN:HE22	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3678)	1:64:A:ASP:HB3	1:62:A:GLN:HE21	13	0.1
(1,3678)	1:64:A:ASP:HB3	1:62:A:GLN:HE22	13	0.1
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	9	0.1
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	9	0.1
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	9	0.1
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	9	0.1
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	13	0.1
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	13	0.1
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	13	0.1
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	13	0.1
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD21	17	0.1
(1,3642)	1:163:A:GLN:HG2	1:166:A:ASN:HD22	17	0.1
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD21	17	0.1
(1,3642)	1:163:A:GLN:HG3	1:166:A:ASN:HD22	17	0.1
(1,3594)	1:172:A:TYR:HD1	1:172:A:TYR:H	6	0.1
(1,3594)	1:172:A:TYR:HD2	1:172:A:TYR:H	6	0.1
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	4	0.1
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	8	0.1
(1,3593)	1:172:A:TYR:HA	1:172:A:TYR:H	14	0.1
(1,3586)	1:170:A:GLU:HB2	1:171:A:HIS:H	2	0.1
(1,3586)	1:170:A:GLU:HB3	1:171:A:HIS:H	2	0.1
(1,3586)	1:170:A:GLU:HB2	1:171:A:HIS:H	10	0.1
(1,3586)	1:170:A:GLU:HB3	1:171:A:HIS:H	10	0.1
(1,3586)	1:170:A:GLU:HB2	1:171:A:HIS:H	16	0.1
(1,3586)	1:170:A:GLU:HB3	1:171:A:HIS:H	16	0.1
(1,3466)	1:144:A:LEU:HD11	1:145:A:ASP:H	4	0.1
(1,3466)	1:144:A:LEU:HD12	1:145:A:ASP:H	4	0.1
(1,3466)	1:144:A:LEU:HD13	1:145:A:ASP:H	4	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	6	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	9	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	10	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	12	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	13	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	16	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	17	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	18	0.1
(1,3278)	1:113:A:VAL:HA	1:113:A:VAL:H	19	0.1
(1,3236)	1:101:A:LEU:HD11	1:102:A:GLY:H	13	0.1
(1,3236)	1:101:A:LEU:HD12	1:102:A:GLY:H	13	0.1
(1,3236)	1:101:A:LEU:HD13	1:102:A:GLY:H	13	0.1
(1,3221)	1:98:A:LEU:HB2	1:101:A:LEU:H	9	0.1
(1,3221)	1:98:A:LEU:HB3	1:101:A:LEU:H	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3221)	1:98:A:LEU:HB2	1:101:A:LEU:H	18	0.1
(1,3221)	1:98:A:LEU:HB3	1:101:A:LEU:H	18	0.1
(1,3134)	1:87:A:LEU:HB2	1:88:A:GLY:H	2	0.1
(1,3134)	1:87:A:LEU:HB3	1:88:A:GLY:H	2	0.1
(1,3059)	1:76:A:ASN:HA	1:78:A:GLU:H	14	0.1
(1,3036)	1:76:A:ASN:H	1:75:A:LEU:H	5	0.1
(1,3023)	1:74:A:ASP:HA	1:74:A:ASP:H	6	0.1
(1,3023)	1:74:A:ASP:HA	1:74:A:ASP:H	13	0.1
(1,2905)	1:82:A:VAL:HG11	1:49:A:LEU:H	11	0.1
(1,2905)	1:82:A:VAL:HG12	1:49:A:LEU:H	11	0.1
(1,2905)	1:82:A:VAL:HG13	1:49:A:LEU:H	11	0.1
(1,2849)	1:49:A:LEU:HD11	1:43:A:MET:H	7	0.1
(1,2849)	1:49:A:LEU:HD12	1:43:A:MET:H	7	0.1
(1,2849)	1:49:A:LEU:HD13	1:43:A:MET:H	7	0.1
(1,2818)	1:36:A:LYS:H	1:37:A:ASP:H	16	0.1
(1,2810)	1:37:A:ASP:H	1:36:A:LYS:H	16	0.1
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	4	0.1
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	9	0.1
(1,2755)	1:29:A:LEU:HG	1:28:A:GLU:H	11	0.1
(1,2714)	1:22:A:ARG:HB2	1:23:A:ASP:H	19	0.1
(1,2714)	1:22:A:ARG:HB3	1:23:A:ASP:H	19	0.1
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD1	3	0.1
(1,2626)	1:45:A:GLN:HE21	1:46:A:TYR:HD2	3	0.1
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD1	3	0.1
(1,2626)	1:45:A:GLN:HE22	1:46:A:TYR:HD2	3	0.1
(1,2482)	1:71:A:GLN:H	1:71:A:GLN:HA	12	0.1
(1,2269)	1:73:A:ASP:HB2	1:107:A:LYS:HA	5	0.1
(1,2269)	1:73:A:ASP:HB3	1:107:A:LYS:HA	5	0.1
(1,2261)	1:104:A:LEU:H	1:104:A:LEU:HG	9	0.1
(1,2231)	1:104:A:LEU:HD11	1:108:A:LEU:HA	9	0.1
(1,2231)	1:104:A:LEU:HD12	1:108:A:LEU:HA	9	0.1
(1,2231)	1:104:A:LEU:HD13	1:108:A:LEU:HA	9	0.1
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	2	0.1
(1,2216)	1:168:A:MET:H	1:168:A:MET:HA	13	0.1
(1,2201)	1:170:A:GLU:HB2	1:167:A:GLU:HA	1	0.1
(1,2201)	1:170:A:GLU:HB3	1:167:A:GLU:HA	1	0.1
(1,2201)	1:170:A:GLU:HB2	1:167:A:GLU:HA	16	0.1
(1,2201)	1:170:A:GLU:HB3	1:167:A:GLU:HA	16	0.1
(1,2186)	1:167:A:GLU:HG2	1:164:A:ILE:HA	1	0.1
(1,2186)	1:167:A:GLU:HG3	1:164:A:ILE:HA	1	0.1
(1,2186)	1:167:A:GLU:HG2	1:164:A:ILE:HA	19	0.1
(1,2186)	1:167:A:GLU:HG3	1:164:A:ILE:HA	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE2	18	0.1
(1,2142)	1:73:A:ASP:HA	1:107:A:LYS:HE3	18	0.1
(1,1947)	1:144:A:LEU:H	1:143:A:ALA:HB1	18	0.1
(1,1947)	1:144:A:LEU:H	1:143:A:ALA:HB2	18	0.1
(1,1947)	1:144:A:LEU:H	1:143:A:ALA:HB3	18	0.1
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	3	0.1
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	3	0.1
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	3	0.1
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD11	12	0.1
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD12	12	0.1
(1,1933)	1:91:A:LEU:H	1:91:A:LEU:HD13	12	0.1
(1,1920)	1:82:A:VAL:H	1:114:A:LYS:HB2	12	0.1
(1,1920)	1:82:A:VAL:H	1:114:A:LYS:HB3	12	0.1
(1,1920)	1:82:A:VAL:H	1:114:A:LYS:HB2	14	0.1
(1,1920)	1:82:A:VAL:H	1:114:A:LYS:HB3	14	0.1
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB1	4	0.1
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB2	4	0.1
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB3	4	0.1
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB1	4	0.1
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB2	4	0.1
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB3	4	0.1
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB1	18	0.1
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB2	18	0.1
(1,1855)	1:85:A:TYR:HE1	1:83:A:ALA:HB3	18	0.1
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB1	18	0.1
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB2	18	0.1
(1,1855)	1:85:A:TYR:HE2	1:83:A:ALA:HB3	18	0.1
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG11	4	0.1
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG12	4	0.1
(1,1833)	1:139:A:PHE:HB2	1:132:A:VAL:HG13	4	0.1
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG11	4	0.1
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG12	4	0.1
(1,1833)	1:139:A:PHE:HB3	1:132:A:VAL:HG13	4	0.1
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG11	19	0.1
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG12	19	0.1
(1,1822)	1:133:A:ILE:H	1:132:A:VAL:HG13	19	0.1
(1,1730)	1:171:A:HIS:HB2	1:169:A:ALA:HA	5	0.1
(1,1730)	1:171:A:HIS:HB3	1:169:A:ALA:HA	5	0.1
(1,1705)	1:65:A:TRP:HH2	1:104:A:LEU:HA	18	0.1
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG11	9	0.1
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG12	9	0.1
(1,1677)	1:40:A:PRO:HA	1:68:A:VAL:HG13	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG2	9	0.1
(1,1660)	1:70:A:ASP:HB2	1:66:A:GLU:HG3	9	0.1
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG2	9	0.1
(1,1660)	1:70:A:ASP:HB3	1:66:A:GLU:HG3	9	0.1
(1,1658)	1:68:A:VAL:H	1:66:A:GLU:HG2	10	0.1
(1,1658)	1:68:A:VAL:H	1:66:A:GLU:HG3	10	0.1
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB2	9	0.1
(1,1648)	1:67:A:ALA:H	1:65:A:TRP:HB3	9	0.1
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG21	8	0.1
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG22	8	0.1
(1,1522)	1:72:A:LEU:H	1:68:A:VAL:HG23	8	0.1
(1,1495)	1:118:A:TYR:HD1	1:115:A:PHE:HB2	18	0.1
(1,1495)	1:118:A:TYR:HD1	1:115:A:PHE:HB3	18	0.1
(1,1495)	1:118:A:TYR:HD2	1:115:A:PHE:HB2	18	0.1
(1,1495)	1:118:A:TYR:HD2	1:115:A:PHE:HB3	18	0.1
(1,1443)	1:81:A:ILE:HG21	1:168:A:MET:HA	15	0.1
(1,1443)	1:81:A:ILE:HG22	1:168:A:MET:HA	15	0.1
(1,1443)	1:81:A:ILE:HG23	1:168:A:MET:HA	15	0.1
(1,1442)	1:171:A:HIS:HD2	1:168:A:MET:HA	5	0.1
(1,1362)	1:43:A:MET:H	1:40:A:PRO:HA	12	0.1
(1,1362)	1:43:A:MET:H	1:40:A:PRO:HA	19	0.1
(1,1329)	1:36:A:LYS:H	1:36:A:LYS:HA	9	0.1
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD21	19	0.1
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD22	19	0.1
(1,1323)	1:33:A:HIS:HB2	1:35:A:LEU:HD23	19	0.1
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD21	19	0.1
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD22	19	0.1
(1,1323)	1:33:A:HIS:HB3	1:35:A:LEU:HD23	19	0.1
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD2	10	0.1
(1,1269)	1:71:A:GLN:HB2	1:41:A:LYS:HD3	10	0.1
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD2	10	0.1
(1,1269)	1:71:A:GLN:HB3	1:41:A:LYS:HD3	10	0.1
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG21	4	0.1
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG22	4	0.1
(1,1251)	1:117:A:GLY:H	1:116:A:VAL:HG23	4	0.1
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG21	2	0.1
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG22	2	0.1
(1,1239)	1:126:A:PHE:H	1:127:A:THR:HG23	2	0.1
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD21	11	0.1
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD22	11	0.1
(1,1210)	1:108:A:LEU:H	1:108:A:LEU:HD23	11	0.1
(1,1116)	1:75:A:LEU:HD21	1:40:A:PRO:HA	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:75:A:LEU:HD22	1:40:A:PRO:HA	12	0.1
(1,1116)	1:75:A:LEU:HD23	1:40:A:PRO:HA	12	0.1
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	7	0.1
(1,1087)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	7	0.1
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	7	0.1
(1,1087)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	7	0.1
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	7	0.1
(1,1087)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	7	0.1
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG2	7	0.1
(1,1084)	1:116:A:VAL:HG21	1:167:A:GLU:HG3	7	0.1
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG2	7	0.1
(1,1084)	1:116:A:VAL:HG22	1:167:A:GLU:HG3	7	0.1
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG2	7	0.1
(1,1084)	1:116:A:VAL:HG23	1:167:A:GLU:HG3	7	0.1
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	4	0.1
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	4	0.1
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG2	7	0.1
(1,923)	1:25:A:ILE:HA	1:162:A:GLU:HG3	7	0.1
(1,912)	1:156:A:ARG:H	1:155:A:GLU:HG2	1	0.1
(1,912)	1:156:A:ARG:H	1:155:A:GLU:HG3	1	0.1
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD11	15	0.1
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD12	15	0.1
(1,764)	1:53:A:ILE:HG12	1:61:A:ILE:HD13	15	0.1
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD11	15	0.1
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD12	15	0.1
(1,764)	1:53:A:ILE:HG13	1:61:A:ILE:HD13	15	0.1
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG11	16	0.1
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG12	16	0.1
(1,678)	1:98:A:LEU:HB2	1:140:A:VAL:HG13	16	0.1
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG11	16	0.1
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG12	16	0.1
(1,678)	1:98:A:LEU:HB3	1:140:A:VAL:HG13	16	0.1
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG11	13	0.1
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG12	13	0.1
(1,658)	1:131:A:PRO:HA	1:140:A:VAL:HG13	13	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG21	6	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG22	6	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG23	6	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG21	13	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG22	13	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG23	13	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG21	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG22	14	0.1
(1,645)	1:5:A:LEU:HA	1:50:A:ILE:HG23	14	0.1
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG11	18	0.1
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG12	18	0.1
(1,599)	1:68:A:VAL:H	1:68:A:VAL:HG13	18	0.1
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG11	6	0.1
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG12	6	0.1
(1,580)	1:136:A:GLY:HA2	1:132:A:VAL:HG13	6	0.1
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG11	6	0.1
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG12	6	0.1
(1,580)	1:136:A:GLY:HA3	1:132:A:VAL:HG13	6	0.1
(1,453)	1:119:A:TRP:HD1	1:143:A:ALA:HB1	20	0.1
(1,453)	1:119:A:TRP:HD1	1:143:A:ALA:HB2	20	0.1
(1,453)	1:119:A:TRP:HD1	1:143:A:ALA:HB3	20	0.1
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD21	17	0.1
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD22	17	0.1
(1,415)	1:111:A:LYS:HE2	1:77:A:LEU:HD23	17	0.1
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD21	17	0.1
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD22	17	0.1
(1,415)	1:111:A:LYS:HE3	1:77:A:LEU:HD23	17	0.1
(1,296)	1:81:A:ILE:HG12	1:1:A:MET:HG2	5	0.1
(1,296)	1:81:A:ILE:HG12	1:1:A:MET:HG3	5	0.1
(1,296)	1:81:A:ILE:HG13	1:1:A:MET:HG2	5	0.1
(1,296)	1:81:A:ILE:HG13	1:1:A:MET:HG3	5	0.1
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG2	1	0.1
(1,267)	1:152:A:LEU:HD21	1:149:A:GLN:HG3	1	0.1
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG2	1	0.1
(1,267)	1:152:A:LEU:HD22	1:149:A:GLN:HG3	1	0.1
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG2	1	0.1
(1,267)	1:152:A:LEU:HD23	1:149:A:GLN:HG3	1	0.1
(1,185)	1:130:A:LYS:HA	1:130:A:LYS:HE2	7	0.1
(1,185)	1:130:A:LYS:HA	1:130:A:LYS:HE3	7	0.1
(1,150)	1:173:A:ALA:H	1:173:A:ALA:HA	7	0.1
(1,120)	1:73:A:ASP:H	1:73:A:ASP:HA	1	0.1
(1,120)	1:73:A:ASP:H	1:73:A:ASP:HA	3	0.1

10 Dihedral-angle violation analysis

No dihedral-angle restraints found