Full wwPDB NMR Structure Validation Report (i)

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Title	:	apo_YqcA
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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:

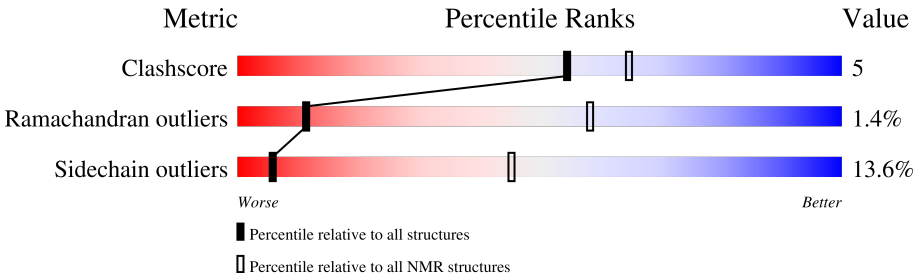
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 91%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	149	67% 11% • 18%

2 Ensemble composition and analysis

This entry contains 20 models. Model 8 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:2-A:8, A:17-A:56, A:68-A:93, A:101-A:149 (122)	0.27	8

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 5 clusters and 2 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2247 atoms, of which 1099 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Flavodoxin.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	149	2247	730	1099	181	233	4	0

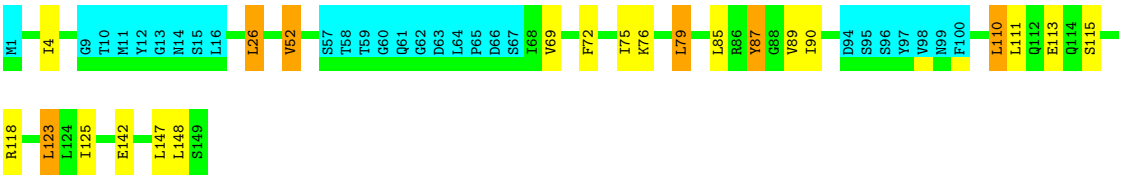
4 Residue-property plots

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

Chain A:



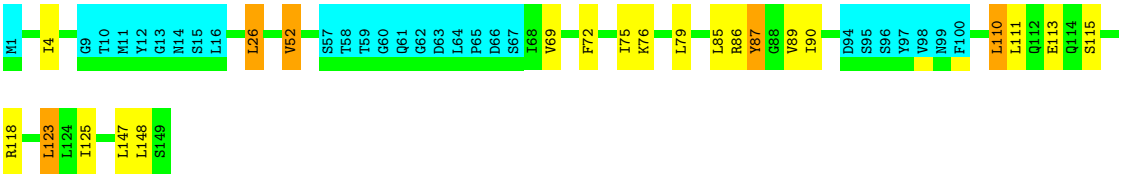
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Flavodoxin

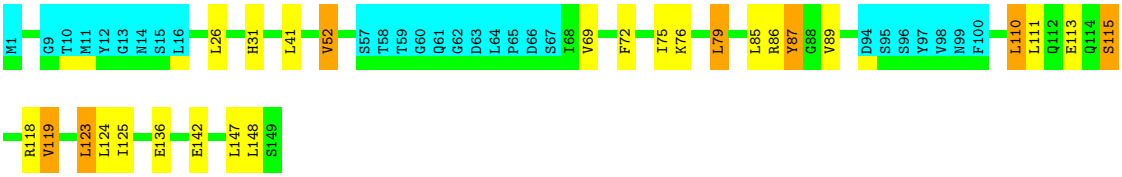
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: Flavodoxin

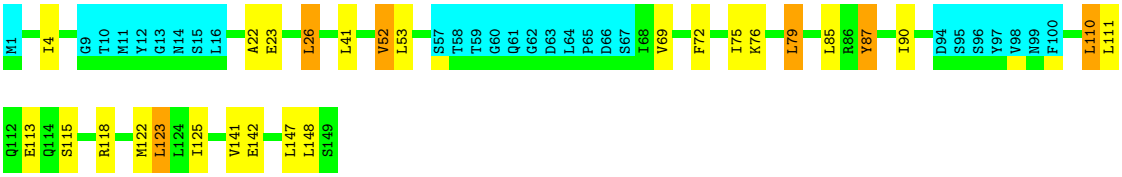
Chain A:



4.2.3 Score per residue for model 3

• Molecule 1: Flavodoxin

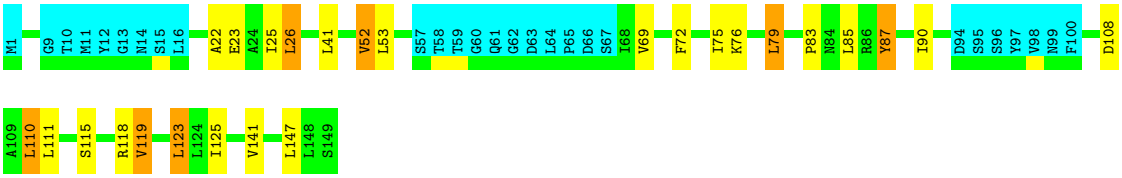
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Flavodoxin

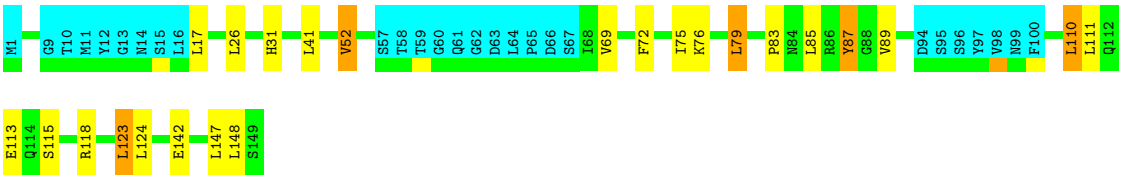
Chain A:



4.2.5 Score per residue for model 5

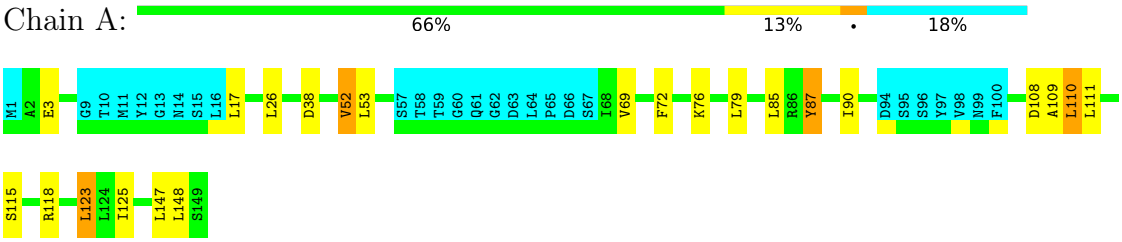
• Molecule 1: Flavodoxin

Chain A:



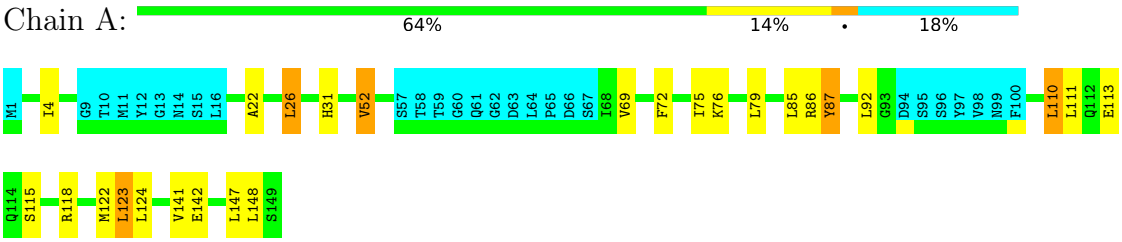
4.2.6 Score per residue for model 6

• Molecule 1: Flavodoxin



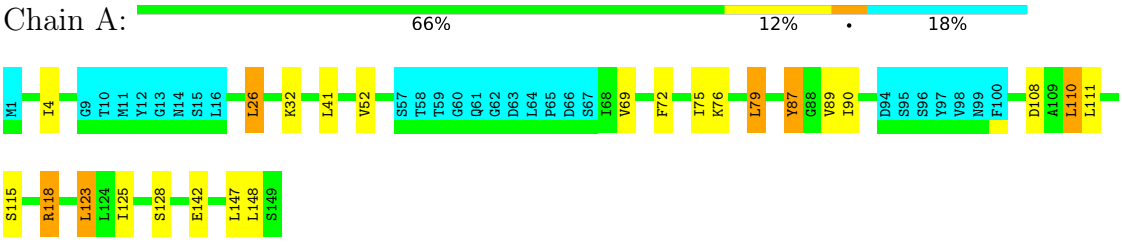
4.2.7 Score per residue for model 7

- Molecule 1: Flavodoxin



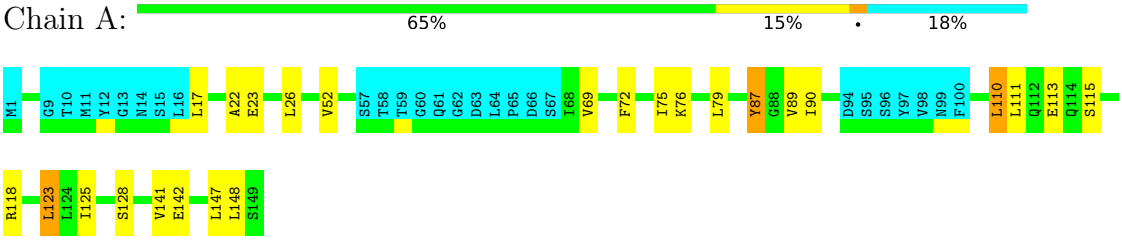
4.2.8 Score per residue for model 8 (medoid)

- Molecule 1: Flavodoxin



4.2.9 Score per residue for model 9

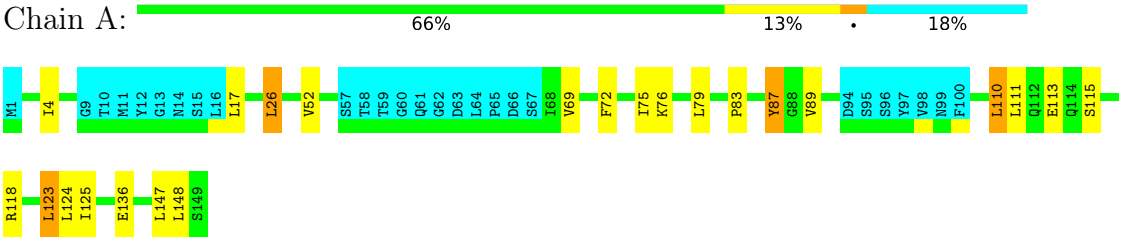
- Molecule 1: Flavodoxin



4.2.10 Score per residue for model 10

• Molecule 1: Flavodoxin

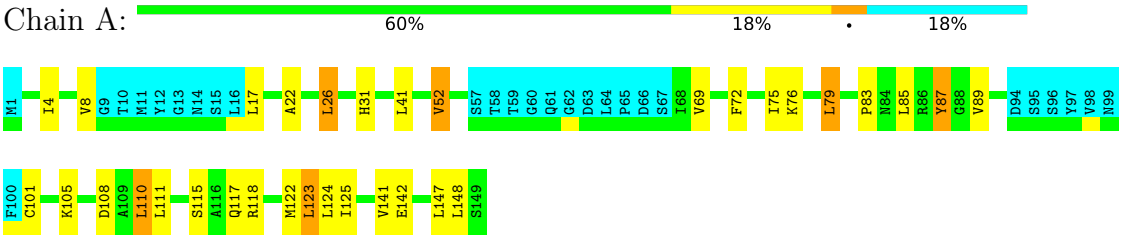
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Flavodoxin

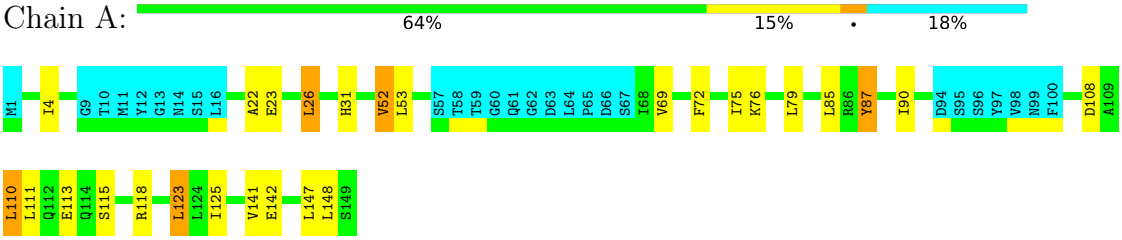
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Flavodoxin

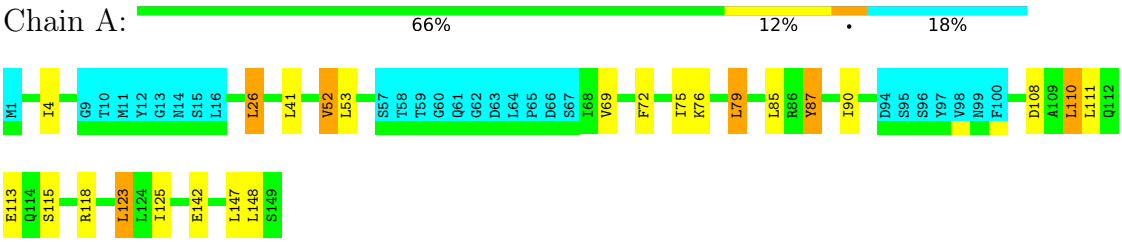
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Flavodoxin

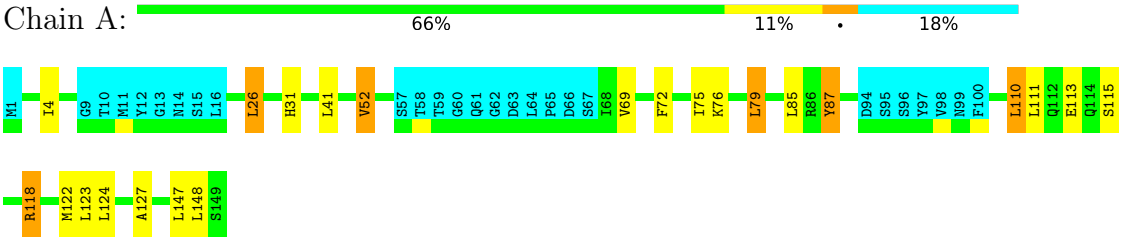
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Flavodoxin

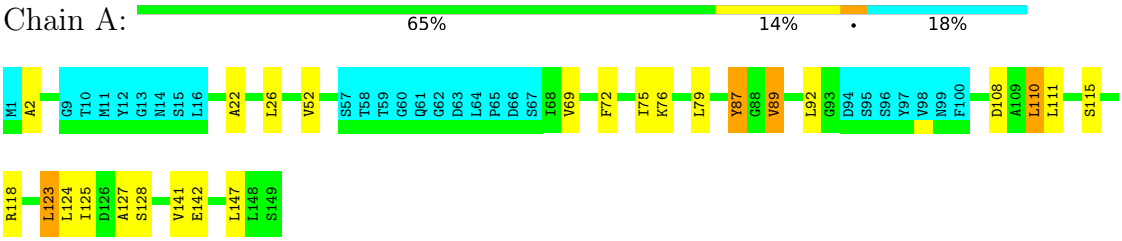
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Flavodoxin

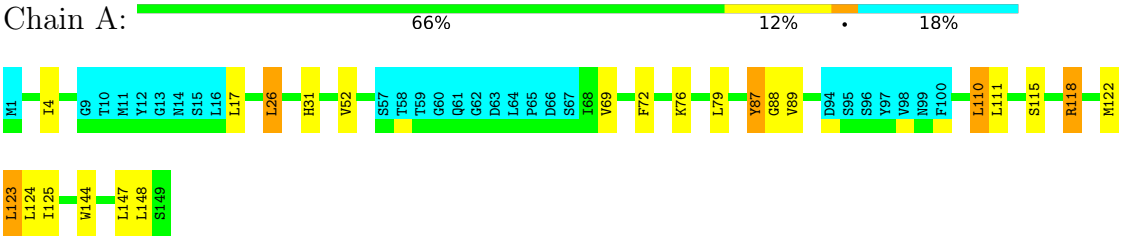
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Flavodoxin

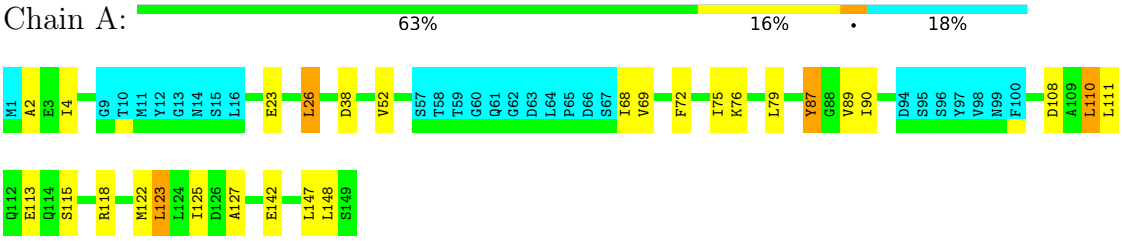
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Flavodoxin

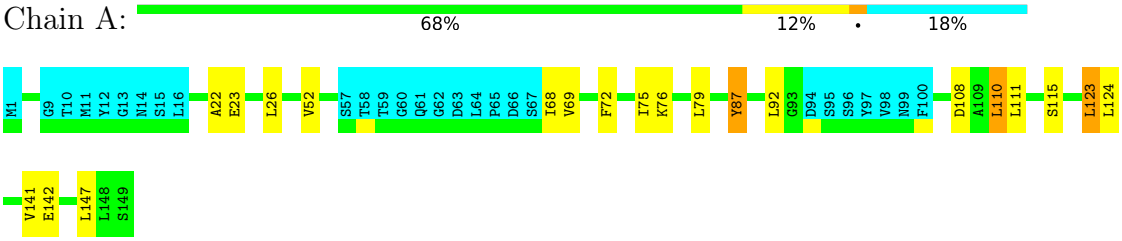
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Flavodoxin

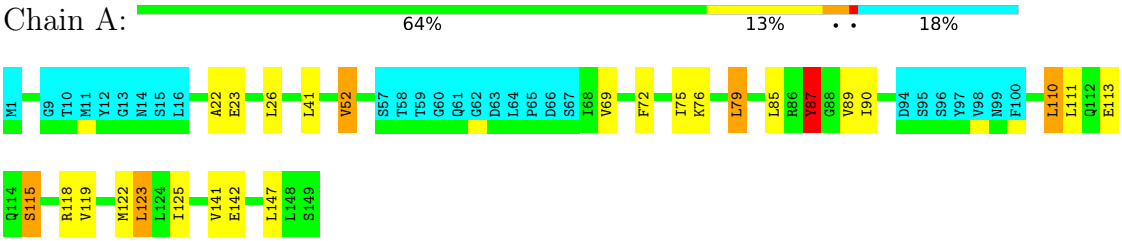
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Flavodoxin

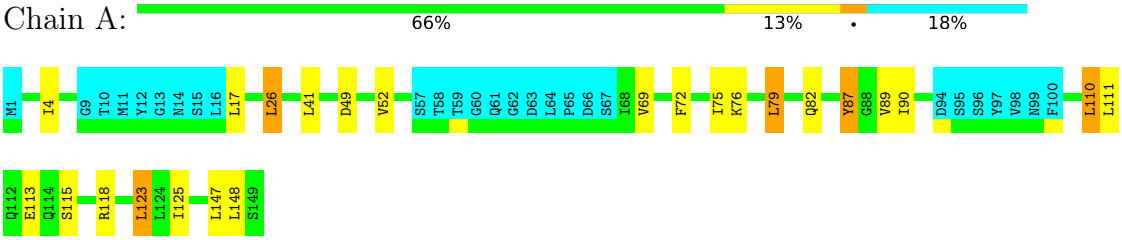
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Flavodoxin

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	v2.1
Amber	refinement	v9

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	1655
Number of shifts mapped to atoms	1655
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	91%

6 Model quality (i)

6.1 Standard geometry (i)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.79±0.01	0±0/973 (0.0± 0.0%)	1.45±0.02	2±2/1326 (0.1± 0.1%)
All	All	0.79	0/19460 (0.0%)	1.45	31/26520 (0.1%)

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	127	ALA	CA-C-N	6.72	130.19	120.38	15	3
1	A	127	ALA	C-N-CA	6.72	130.19	120.38	15	3
1	A	118	ARG	CD-NE-CZ	5.82	132.54	124.40	8	3
1	A	2	ALA	N-CA-C	5.73	117.72	110.33	17	1
1	A	87	TYR	CA-C-N	5.62	126.54	121.82	19	1
1	A	87	TYR	C-N-CA	5.62	126.54	121.82	19	1
1	A	31	HIS	CB-CG-CD2	-5.46	124.10	131.20	7	7
1	A	68	ILE	CA-C-N	5.42	125.63	120.43	18	1
1	A	68	ILE	C-N-CA	5.42	125.63	120.43	18	1
1	A	89	VAL	N-CA-C	5.37	115.63	108.27	16	2
1	A	38	ASP	CA-C-N	5.26	125.17	119.85	17	1
1	A	38	ASP	C-N-CA	5.26	125.17	119.85	17	1
1	A	68	ILE	CB-CA-C	5.21	116.56	110.88	17	1
1	A	119	VAL	CB-CA-C	5.13	119.71	111.29	2	2
1	A	38	ASP	CB-CA-C	5.09	114.81	111.20	6	1
1	A	109	ALA	CA-C-N	5.08	127.39	120.54	6	1
1	A	109	ALA	C-N-CA	5.08	127.39	120.54	6	1

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	951	924	924	10±3
All	All	19020	18480	18480	190

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 5.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:90:ILE:HG23	1:A:123:LEU:HD12	0.88	1.46	20	11
1:A:123:LEU:C	1:A:123:LEU:HD13	0.63	2.18	6	11
1:A:22:ALA:HA	1:A:141:VAL:HG11	0.62	1.72	4	9
1:A:72:PHE:CE1	1:A:110:LEU:HD23	0.61	2.30	19	20
1:A:87:TYR:CD1	1:A:111:LEU:HD12	0.59	2.32	18	20
1:A:123:LEU:HD13	1:A:124:LEU:N	0.56	2.15	14	9
1:A:76:LYS:HB3	1:A:110:LEU:HD21	0.56	1.78	7	20
1:A:52:VAL:CG2	1:A:85:LEU:HD11	0.53	2.33	7	12
1:A:53:LEU:HD11	1:A:90:ILE:HD12	0.48	1.84	6	5
1:A:123:LEU:HD11	1:A:125:ILE:HG13	0.48	1.86	13	11
1:A:123:LEU:HD11	1:A:125:ILE:CD1	0.47	2.39	9	11
1:A:75:ILE:HG22	1:A:110:LEU:HD12	0.47	1.86	3	18
1:A:25:ILE:CG2	1:A:141:VAL:HG12	0.46	2.40	4	1
1:A:4:ILE:HD13	1:A:26:LEU:HD12	0.46	1.86	16	12
1:A:41:LEU:HD21	1:A:79:LEU:HD21	0.46	1.86	4	10
1:A:101:CYS:SG	1:A:105:LYS:HE3	0.44	2.53	11	1
1:A:123:LEU:HD11	1:A:125:ILE:CG1	0.42	2.45	13	3
1:A:123:LEU:C	1:A:123:LEU:CD1	0.42	2.91	6	2
1:A:90:ILE:CG2	1:A:123:LEU:HD12	0.41	2.36	1	1
1:A:26:LEU:HD23	1:A:141:VAL:CG1	0.40	2.46	4	1
1:A:88:GLY:HA3	1:A:144:TRP:CZ2	0.40	2.51	16	1
1:A:41:LEU:HD21	1:A:79:LEU:CD2	0.40	2.46	19	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	121/149 (81%)	111±1 (92±1%)	8±1 (7±1%)	2±1 (1±1%)	11 58
All	All	2420/2980 (81%)	2219 (92%)	166 (7%)	35 (1%)	11 58

All 5 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	115	SER	20
1	A	17	LEU	7
1	A	83	PRO	4
1	A	119	VAL	3
1	A	2	ALA	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	102/125 (82%)	88±2 (86±2%)	14±2 (14±2%)	6 45
All	All	2040/2500 (82%)	1762 (86%)	278 (14%)	6 45

All 28 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	26	LEU	20
1	A	52	VAL	20
1	A	69	VAL	20
1	A	79	LEU	20
1	A	87	TYR	20

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Models (Total)
1	A	110	LEU	20
1	A	147	LEU	20
1	A	118	ARG	19
1	A	123	LEU	19
1	A	148	LEU	16
1	A	113	GLU	13
1	A	142	GLU	13
1	A	89	VAL	11
1	A	108	ASP	9
1	A	23	GLU	7
1	A	122	MET	7
1	A	125	ILE	5
1	A	86	ARG	3
1	A	92	LEU	3
1	A	128	SER	3
1	A	115	SER	2
1	A	136	GLU	2
1	A	3	GLU	1
1	A	32	LYS	1
1	A	8	VAL	1
1	A	117	GLN	1
1	A	49	ASP	1
1	A	82	GLN	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 91% for the well-defined parts and 85% 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	1655
Number of shifts mapped to atoms	1655
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	13

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	142	-0.36 ± 0.11	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	128	0.28 ± 0.16	None needed (< 0.5 ppm)
$^{13}C'$	133	0.01 ± 0.14	None needed (< 0.5 ppm)
^{15}N	121	-0.17 ± 0.24	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 91%, i.e. 1478 atoms were assigned a chemical shift out of a possible 1633. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	594/606 (98%)	243/247 (98%)	242/244 (99%)	109/115 (95%)
Sidechain	831/900 (92%)	562/589 (95%)	257/289 (89%)	12/22 (55%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	53/127 (42%)	26/63 (41%)	24/59 (41%)	3/5 (60%)
Overall	1478/1633 (91%)	831/899 (92%)	523/592 (88%)	124/142 (87%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 85%, i.e. 1655 atoms were assigned a chemical shift out of a possible 1941. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	678/743 (91%)	282/304 (93%)	275/298 (92%)	121/141 (86%)
Sidechain	912/1043 (87%)	616/682 (90%)	282/336 (84%)	14/25 (56%)
Aromatic	65/155 (42%)	32/76 (42%)	30/74 (41%)	3/5 (60%)
Overall	1655/1941 (85%)	930/1062 (88%)	587/708 (83%)	138/171 (81%)

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.

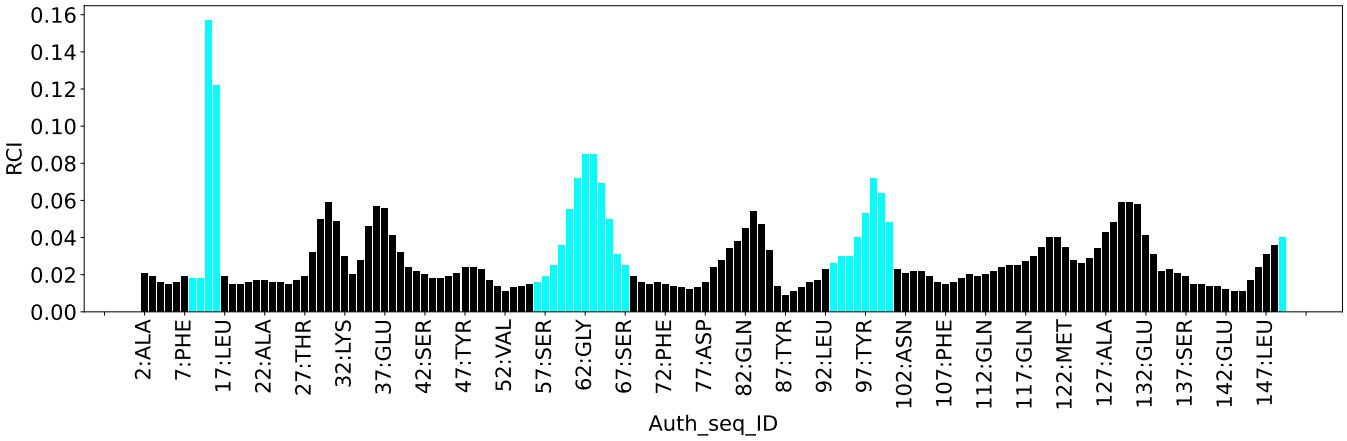
List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	108	ASP	CG	39.72	149.18 – 208.82	-23.4
1	A	44	TRP	HE3	10.81	5.27 – 9.37	8.5
1	A	148	LEU	HG	-0.67	-0.13 – 3.16	-6.6
1	A	148	LEU	HD11	-0.94	-0.61 – 2.12	-6.2
1	A	148	LEU	HD12	-0.94	-0.61 – 2.12	-6.2
1	A	148	LEU	HD13	-0.94	-0.61 – 2.12	-6.2
1	A	83	PRO	HD2	1.63	1.93 – 5.38	-5.9
1	A	123	LEU	HB2	-0.35	-0.07 – 3.30	-5.8
1	A	140	TRP	HE3	9.70	5.27 – 9.37	5.8
1	A	110	LEU	HG	-0.21	-0.13 – 3.16	-5.2
1	A	75	ILE	HD11	-0.79	-0.72 – 2.09	-5.2
1	A	75	ILE	HD12	-0.79	-0.72 – 2.09	-5.2
1	A	75	ILE	HD13	-0.79	-0.72 – 2.09	-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	4336
Intra-residue (|i-j|=0)	1735
Sequential (|i-j|=1)	959
Medium range (|i-j|>1 and |i-j|<5)	613
Long range (|i-j|≥5)	1029
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	29.1
Number of long range restraints per residue[1]	6.9

[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)	110.5	0.2
0.2-0.5 (Medium)	80.8	0.5
>0.5 (Large)	203.5	3.21

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)

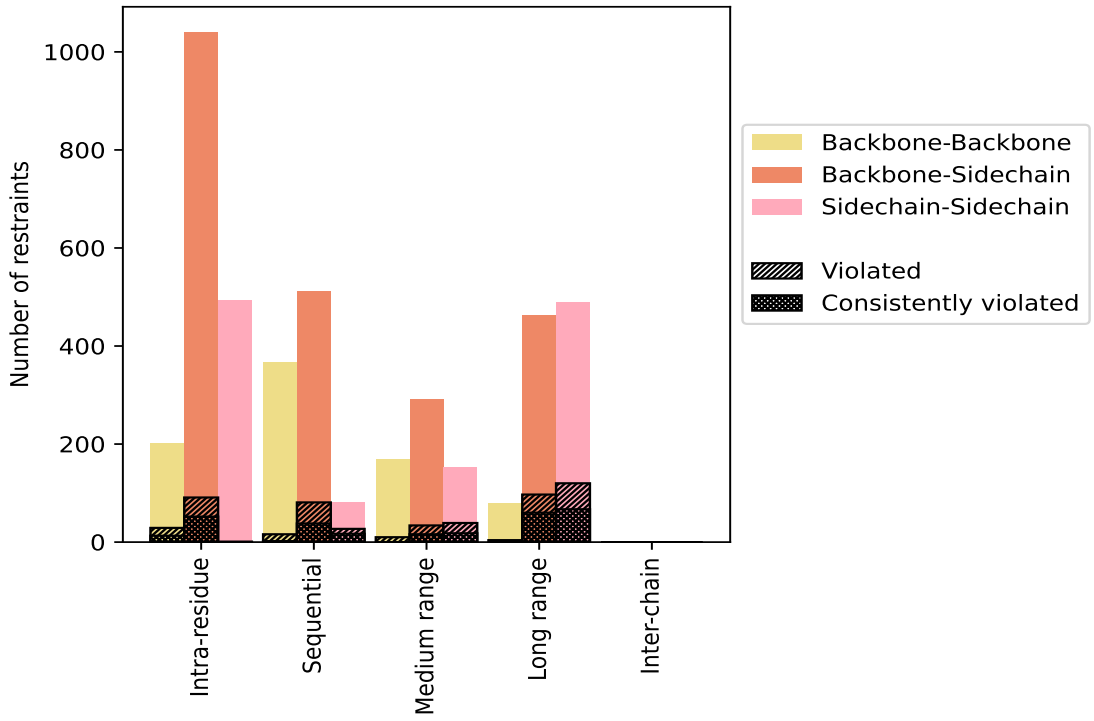
9.1 Summary of distance violations (i)

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)	1735	40.0	121	7.0	2.8	65	3.7	1.5
Backbone-Backbone	202	4.7	29	14.4	0.7	13	6.4	0.3
Backbone-Sidechain	1040	24.0	91	8.8	2.1	52	5.0	1.2
Sidechain-Sidechain	493	11.4	1	0.2	0.0	0	0.0	0.0
Sequential (|i-j|=1)	959	22.1	124	12.9	2.9	57	5.9	1.3
Backbone-Backbone	367	8.5	16	4.4	0.4	2	0.5	0.0
Backbone-Sidechain	511	11.8	81	15.9	1.9	38	7.4	0.9
Sidechain-Sidechain	81	1.9	27	33.3	0.6	17	21.0	0.4
Medium range (|i-j|>1 & |i-j|<5)	613	14.1	83	13.5	1.9	34	5.5	0.8
Backbone-Backbone	169	3.9	10	5.9	0.2	0	0.0	0.0
Backbone-Sidechain	292	6.7	34	11.6	0.8	16	5.5	0.4
Sidechain-Sidechain	152	3.5	39	25.7	0.9	18	11.8	0.4
Long range (|i-j|≥5)	1029	23.7	221	21.5	5.1	127	12.3	2.9
Backbone-Backbone	79	1.8	4	5.1	0.1	0	0.0	0.0
Backbone-Sidechain	462	10.7	97	21.0	2.2	60	13.0	1.4
Sidechain-Sidechain	488	11.3	120	24.6	2.8	67	13.7	1.5
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	4336	100.0	549	12.7	12.7	283	6.5	6.5
Backbone-Backbone	817	18.8	59	7.2	1.4	15	1.8	0.3
Backbone-Sidechain	2305	53.2	303	13.1	7.0	166	7.2	3.8
Sidechain-Sidechain	1214	28.0	187	15.4	4.3	102	8.4	2.4

[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	89	86	54	173	0	402	0.73	3.21	0.65	0.52
2	86	89	57	173	0	405	0.72	3.19	0.63	0.5
3	93	73	47	160	0	373	0.71	3.15	0.62	0.52
4	88	92	55	176	0	411	0.73	3.11	0.64	0.52
5	89	84	58	164	0	395	0.67	3.1	0.6	0.45
6	89	92	55	180	0	416	0.73	3.14	0.64	0.52
7	89	85	59	175	0	408	0.73	3.16	0.64	0.5
8	93	85	55	170	0	403	0.73	3.2	0.65	0.5
9	91	85	52	172	0	400	0.73	3.13	0.65	0.52
10	92	87	60	168	0	407	0.71	3.2	0.64	0.5

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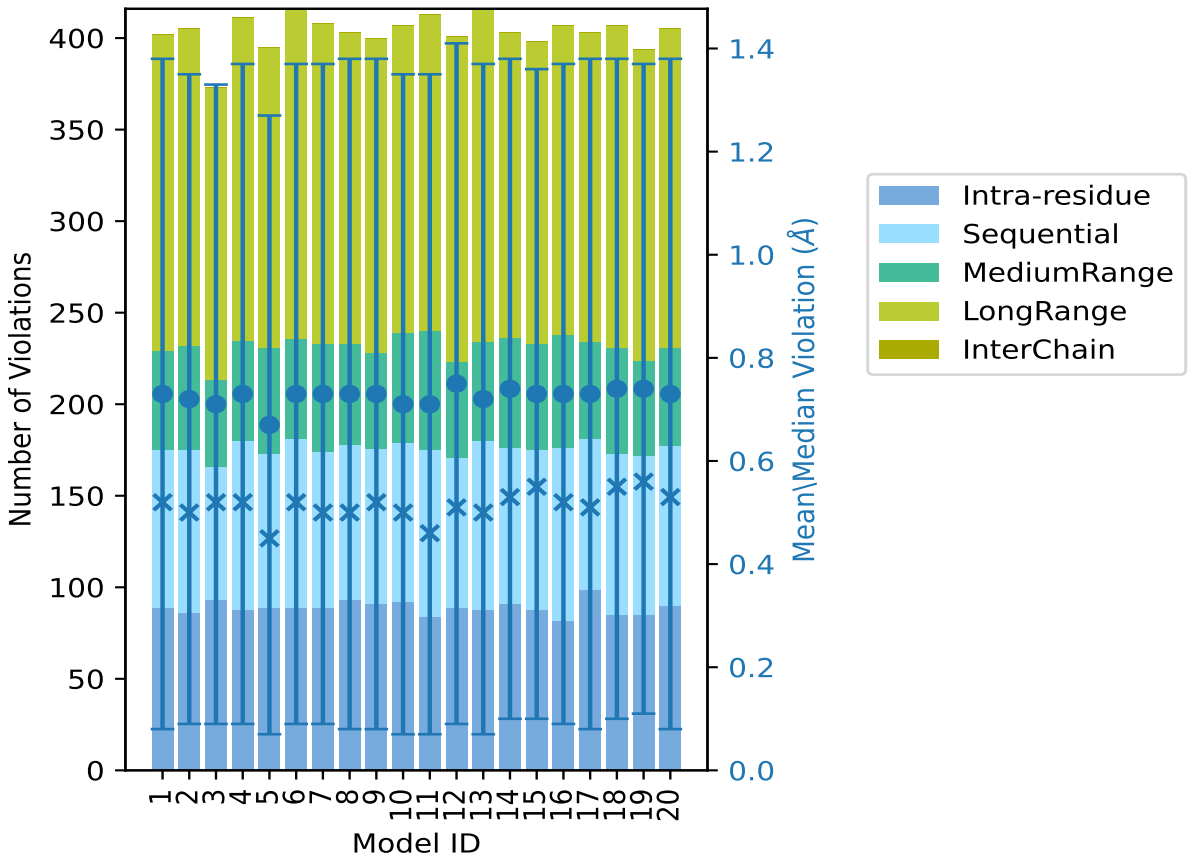
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	84	91	65	173	0	413	0.71	3.19	0.64	0.46
12	89	82	52	178	0	401	0.75	3.18	0.66	0.51
13	88	92	54	182	0	416	0.72	3.17	0.65	0.5
14	91	85	60	167	0	403	0.74	3.13	0.64	0.53
15	88	87	58	165	0	398	0.73	3.08	0.63	0.55
16	82	94	62	169	0	407	0.73	3.19	0.64	0.52
17	99	82	53	169	0	403	0.73	3.2	0.65	0.51
18	85	88	58	176	0	407	0.74	3.18	0.64	0.55
19	85	87	52	170	0	394	0.74	3.09	0.63	0.56
20	90	87	54	174	0	405	0.73	3.16	0.65	0.53

[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

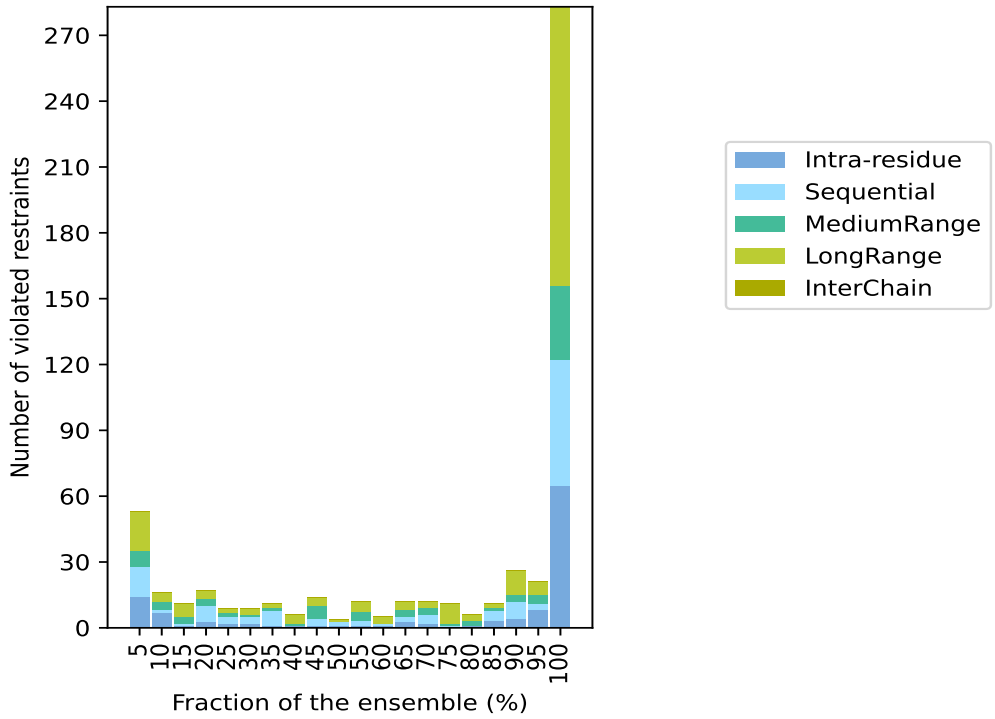
9.3 Distance violation statistics for the ensemble (i)

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, 3787(IR:1614, SQ:835, MR:530, LR:808, 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]	%
14	14	7	18	0	53	1	5.0
7	1	4	4	0	16	2	10.0
1	1	3	6	0	11	3	15.0
3	7	3	4	0	17	4	20.0
2	3	2	2	0	9	5	25.0
2	3	1	3	0	9	6	30.0
1	7	1	2	0	11	7	35.0
1	0	1	4	0	6	8	40.0
1	3	6	4	0	14	9	45.0
1	2	0	1	0	4	10	50.0
1	2	4	5	0	12	11	55.0
1	1	0	3	0	5	12	60.0
3	2	3	4	0	12	13	65.0
2	4	3	3	0	12	14	70.0
0	1	1	9	0	11	15	75.0
1	0	2	3	0	6	16	80.0
3	5	1	2	0	11	17	85.0
4	8	3	11	0	26	18	90.0
8	3	4	6	0	21	19	95.0
65	57	34	127	0	283	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

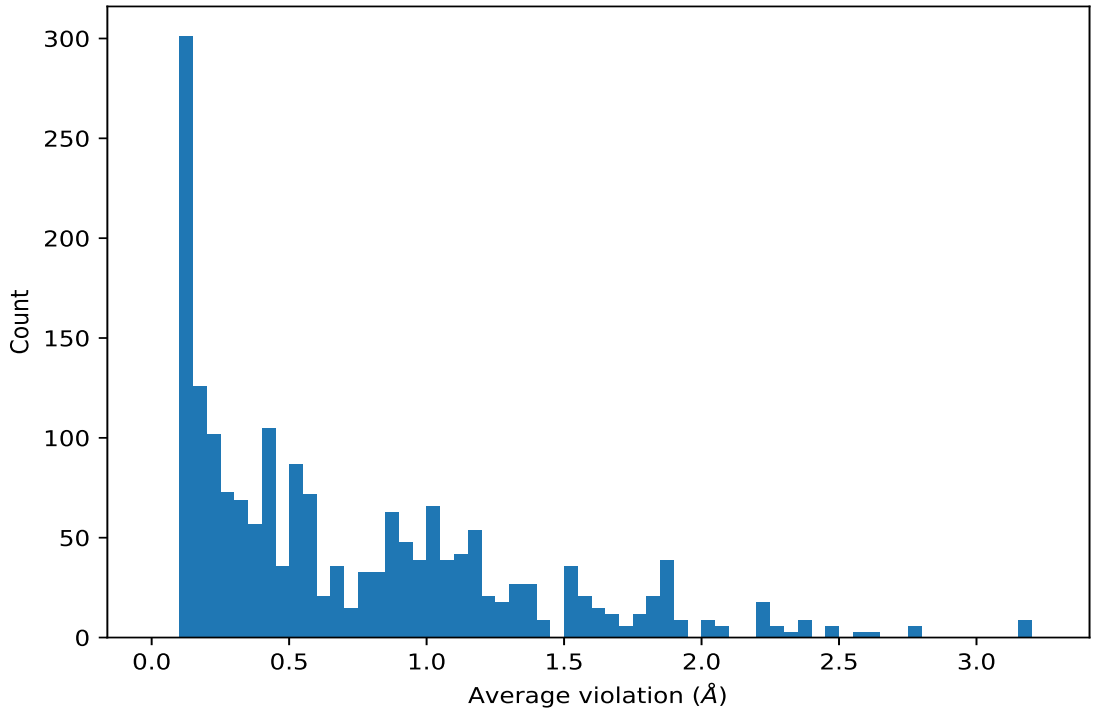
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	20	3.16	0.04	3.16
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	20	3.16	0.04	3.16
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	20	3.16	0.04	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	20	3.16	0.04	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	20	3.16	0.04	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	20	3.16	0.04	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	20	3.16	0.04	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	20	3.16	0.04	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	20	3.16	0.04	3.16
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	20	2.8	0.04	2.82
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	20	2.8	0.04	2.82
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	20	2.8	0.04	2.82
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	20	2.8	0.04	2.82
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	20	2.8	0.04	2.82
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	20	2.8	0.04	2.82
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	20	2.6	0.07	2.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	20	2.6	0.07	2.62
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	20	2.6	0.07	2.62
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	20	2.57	0.08	2.57
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	20	2.57	0.08	2.57
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	20	2.57	0.08	2.57
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	20	2.47	0.03	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	20	2.47	0.03	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	20	2.47	0.03	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	20	2.47	0.03	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	20	2.47	0.03	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	20	2.47	0.03	2.47
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	20	2.39	0.22	2.46
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	20	2.39	0.22	2.46
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	20	2.39	0.22	2.46
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	20	2.36	0.06	2.38
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	20	2.36	0.06	2.38
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	20	2.36	0.06	2.38
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	20	2.35	0.11	2.38
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	20	2.35	0.11	2.38
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	20	2.35	0.11	2.38
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	20	2.34	0.07	2.34
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	20	2.34	0.07	2.34
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	20	2.34	0.07	2.34
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	20	2.25	0.7	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	20	2.25	0.7	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	20	2.25	0.7	2.48
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	20	2.25	0.7	2.48
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	20	2.25	0.7	2.48
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	20	2.25	0.7	2.48
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	20	2.23	0.01	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	20	2.23	0.01	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	20	2.23	0.01	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	20	2.23	0.01	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	20	2.23	0.01	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	20	2.23	0.01	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	20	2.23	0.01	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	20	2.23	0.01	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	20	2.23	0.01	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	20	2.23	0.01	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	20	2.23	0.01	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	20	2.23	0.01	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	20	2.23	0.01	2.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	20	2.23	0.01	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	20	2.23	0.01	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	20	2.23	0.01	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	20	2.23	0.01	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	20	2.23	0.01	2.23
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	20	2.09	0.01	2.09
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	20	2.09	0.01	2.09
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	20	2.09	0.01	2.09
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	20	2.08	0.02	2.08
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	20	2.08	0.02	2.08
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	20	2.08	0.02	2.08
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	20	2.05	0.11	2.08
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	20	2.05	0.11	2.08
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	20	2.05	0.11	2.08
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	20	1.95	0.02	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	20	1.95	0.02	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	20	1.95	0.02	1.95
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	20	1.91	0.06	1.93
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	20	1.91	0.06	1.93
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	20	1.91	0.06	1.93
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	20	1.9	0.07	1.9
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	20	1.9	0.07	1.9
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	20	1.9	0.07	1.9
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	20	1.9	0.07	1.9
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	20	1.9	0.07	1.9
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	20	1.9	0.07	1.9
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	20	1.89	0.07	1.92
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	20	1.89	0.07	1.92
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	20	1.89	0.07	1.92
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	20	1.88	0.06	1.89
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	20	1.88	0.06	1.89
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	20	1.88	0.06	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	20	1.88	0.06	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	20	1.88	0.06	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	20	1.88	0.06	1.89
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	20	1.88	0.55	2.06
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	20	1.88	0.55	2.06
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	20	1.88	0.55	2.06
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	20	1.87	0.03	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	20	1.87	0.03	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	20	1.87	0.03	1.88
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	20	1.87	0.1	1.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	20	1.87	0.1	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	20	1.87	0.1	1.91
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	20	1.86	0.09	1.85
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	20	1.86	0.09	1.85
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	20	1.86	0.09	1.85
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	20	1.84	0.13	1.84
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	20	1.84	0.13	1.84
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	20	1.84	0.13	1.84
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	20	1.84	0.13	1.84
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	20	1.84	0.13	1.84
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	20	1.84	0.13	1.84
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	20	1.81	0.47	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	20	1.81	0.47	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	20	1.81	0.47	1.97
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	20	1.81	0.18	1.75
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	20	1.81	0.18	1.75
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	20	1.81	0.18	1.75
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	20	1.81	0.18	1.75
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	20	1.81	0.18	1.75
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	20	1.81	0.18	1.75
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	20	1.81	0.18	1.75
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	20	1.81	0.18	1.75
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	20	1.81	0.18	1.75
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	20	1.81	0.18	1.75
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	20	1.81	0.18	1.75
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	20	1.81	0.18	1.75
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	20	1.78	0.08	1.79
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	20	1.78	0.08	1.79
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	20	1.78	0.08	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	20	1.77	0.02	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	20	1.77	0.02	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	20	1.77	0.02	1.78
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	20	1.75	0.12	1.73
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	20	1.75	0.12	1.73
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	20	1.75	0.12	1.73
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	20	1.75	0.12	1.73
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	20	1.75	0.12	1.73
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	20	1.75	0.12	1.73
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	20	1.71	0.08	1.7
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	20	1.71	0.08	1.7
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	20	1.71	0.08	1.7
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	20	1.71	0.08	1.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	20	1.71	0.08	1.7
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	20	1.71	0.08	1.7
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	20	1.7	0.12	1.72
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	20	1.7	0.12	1.72
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	20	1.7	0.12	1.72
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	20	1.7	0.12	1.72
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	20	1.7	0.12	1.72
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	20	1.7	0.12	1.72
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	20	1.66	0.21	1.55
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	20	1.66	0.21	1.55
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	20	1.66	0.21	1.55
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	20	1.66	0.22	1.7
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	20	1.66	0.22	1.7
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	20	1.66	0.22	1.7
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	20	1.65	0.3	1.9
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	20	1.65	0.3	1.9
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	20	1.65	0.3	1.9
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	20	1.64	0.04	1.65
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	20	1.64	0.04	1.65
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	20	1.64	0.04	1.65
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	20	1.63	0.07	1.62
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	20	1.63	0.07	1.62
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	20	1.63	0.07	1.62
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	20	1.63	0.07	1.62
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	20	1.63	0.07	1.62
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	20	1.63	0.07	1.62
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	20	1.61	0.04	1.6
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	20	1.61	0.04	1.6
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	20	1.61	0.04	1.6
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	20	1.58	0.07	1.56
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	20	1.58	0.07	1.56
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	20	1.58	0.07	1.56
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	20	1.56	0.2	1.56
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	20	1.56	0.2	1.56
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	20	1.56	0.2	1.56
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	20	1.56	0.2	1.56
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	20	1.56	0.2	1.56
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	20	1.56	0.2	1.56
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	20	1.55	0.09	1.54
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	20	1.55	0.09	1.54
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	20	1.55	0.09	1.54
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	20	1.55	0.07	1.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	20	1.55	0.07	1.54
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	20	1.55	0.07	1.54
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	20	1.53	0.06	1.53
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	20	1.53	0.06	1.53
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	20	1.53	0.06	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	20	1.53	0.06	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	20	1.53	0.06	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	20	1.53	0.06	1.53
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	20	1.52	0.11	1.5
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	20	1.52	0.11	1.5
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	20	1.52	0.11	1.5
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	20	1.52	0.11	1.5
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	20	1.52	0.11	1.5
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	20	1.52	0.11	1.5
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	20	1.52	0.11	1.5
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	20	1.52	0.11	1.5
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	20	1.52	0.11	1.5
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	20	1.51	0.04	1.52
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	20	1.51	0.04	1.52
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	20	1.51	0.04	1.52
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	20	1.43	0.09	1.44
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	20	1.43	0.09	1.44
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	20	1.43	0.09	1.44
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	20	1.43	0.09	1.44
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	20	1.43	0.09	1.44
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	20	1.43	0.09	1.44
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	20	1.43	0.09	1.44
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	20	1.43	0.09	1.44
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	20	1.43	0.09	1.44
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	20	1.35	0.12	1.37
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	20	1.35	0.12	1.37
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	20	1.35	0.12	1.37
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	20	1.35	0.07	1.36
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	20	1.35	0.07	1.36
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	20	1.35	0.07	1.36
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	20	1.35	0.07	1.36
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	20	1.35	0.07	1.36
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	20	1.35	0.07	1.36
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	20	1.35	0.07	1.36
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	20	1.35	0.07	1.36
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	20	1.35	0.07	1.36
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	20	1.35	0.07	1.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	20	1.35	0.07	1.36
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	20	1.35	0.07	1.36
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	20	1.35	0.07	1.36
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	20	1.35	0.07	1.36
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	20	1.35	0.07	1.36
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	20	1.35	0.07	1.36
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	20	1.35	0.07	1.36
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	20	1.35	0.07	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	20	1.35	0.02	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	20	1.35	0.02	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	20	1.35	0.02	1.35
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	20	1.35	0.02	1.35
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	20	1.35	0.02	1.35
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	20	1.35	0.02	1.35
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	20	1.34	0.05	1.34
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	20	1.34	0.05	1.34
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	20	1.34	0.05	1.34
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	20	1.34	0.05	1.34
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	20	1.34	0.05	1.34
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	20	1.34	0.05	1.34
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	20	1.34	0.12	1.33
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	20	1.34	0.12	1.33
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	20	1.34	0.12	1.33
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	20	1.33	0.07	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	20	1.33	0.07	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	20	1.33	0.07	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	20	1.33	0.07	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	20	1.33	0.07	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	20	1.33	0.07	1.35
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	20	1.3	0.37	1.34
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	20	1.3	0.37	1.34
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	20	1.3	0.37	1.34
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	20	1.29	0.11	1.22
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	20	1.29	0.11	1.22
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	20	1.29	0.11	1.22
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	20	1.29	0.11	1.22
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	20	1.29	0.11	1.22
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	20	1.29	0.11	1.22
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	20	1.28	0.25	1.35
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	20	1.28	0.25	1.35
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	20	1.28	0.25	1.35
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	20	1.28	0.04	1.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	20	1.28	0.04	1.28
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	20	1.28	0.04	1.28
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	20	1.28	0.04	1.28
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	20	1.28	0.04	1.28
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	20	1.28	0.04	1.28
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	20	1.25	0.1	1.27
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	20	1.25	0.1	1.27
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	20	1.25	0.1	1.27
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	20	1.24	0.39	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	20	1.24	0.39	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	20	1.24	0.39	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	20	1.24	0.39	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	20	1.24	0.39	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	20	1.24	0.39	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	20	1.24	0.39	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	20	1.24	0.39	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	20	1.24	0.39	1.08
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	20	1.23	0.06	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	20	1.23	0.06	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	20	1.23	0.06	1.25
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	20	1.21	0.21	1.19
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	20	1.21	0.21	1.19
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	20	1.21	0.21	1.19
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	20	1.21	0.14	1.23
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	20	1.21	0.14	1.23
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	20	1.21	0.14	1.23
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	20	1.21	0.14	1.23
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	20	1.21	0.14	1.23
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	20	1.21	0.14	1.23
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	20	1.2	0.09	1.21
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	20	1.2	0.09	1.21
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	20	1.2	0.09	1.21
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	20	1.2	0.09	1.21
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	20	1.2	0.09	1.21
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	20	1.2	0.09	1.21
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	20	1.2	0.03	1.2
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	20	1.2	0.03	1.2
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	20	1.2	0.03	1.2
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	20	1.2	0.03	1.2
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	20	1.2	0.03	1.2
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	20	1.2	0.03	1.2
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	20	1.2	0.03	1.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	20	1.2	0.03	1.2
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	20	1.2	0.03	1.2
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	20	1.2	0.03	1.2
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	20	1.2	0.11	1.19
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	20	1.2	0.11	1.19
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	20	1.2	0.11	1.19
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	20	1.18	0.08	1.16
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	20	1.18	0.08	1.16
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	20	1.18	0.08	1.16
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	20	1.18	0.14	1.22
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	20	1.18	0.14	1.22
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	20	1.18	0.14	1.22
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	20	1.18	0.14	1.22
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	20	1.18	0.14	1.22
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	20	1.18	0.14	1.22
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	20	1.18	0.14	1.22
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	20	1.18	0.14	1.22
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	20	1.18	0.14	1.22
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	20	1.17	0.11	1.16
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	20	1.17	0.11	1.16
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	20	1.17	0.11	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	20	1.17	0.04	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	20	1.17	0.04	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	20	1.17	0.04	1.16
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	20	1.16	0.24	1.21
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	20	1.16	0.24	1.21
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	20	1.16	0.24	1.21
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	20	1.15	0.08	1.12
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	20	1.15	0.08	1.12
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	20	1.15	0.08	1.12
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	20	1.14	0.1	1.14
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	20	1.14	0.1	1.14
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	20	1.14	0.1	1.14
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	20	1.14	0.84	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	20	1.14	0.84	0.64
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	20	1.14	0.84	0.64
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	20	1.14	0.84	0.64
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	20	1.14	0.84	0.64
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	20	1.14	0.84	0.64
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	20	1.13	0.07	1.16
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	20	1.13	0.07	1.16
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	20	1.13	0.07	1.16
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	20	1.13	0.11	1.1
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	20	1.13	0.11	1.1
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	20	1.13	0.11	1.1
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	20	1.13	0.11	1.1
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	20	1.13	0.11	1.1
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	20	1.13	0.11	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	20	1.11	0.01	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	20	1.11	0.01	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	20	1.11	0.01	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	20	1.1	0.06	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	20	1.1	0.06	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	20	1.1	0.06	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	20	1.1	0.06	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	20	1.1	0.06	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	20	1.1	0.06	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	20	1.1	0.06	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	20	1.1	0.06	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	20	1.1	0.06	1.11
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	20	1.1	0.05	1.1
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	20	1.1	0.05	1.1
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	20	1.1	0.05	1.1
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	20	1.07	0.07	1.06
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	20	1.07	0.07	1.06
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	20	1.07	0.07	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	20	1.07	0.04	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	20	1.07	0.04	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	20	1.07	0.04	1.06
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	20	1.07	0.04	1.06
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	20	1.07	0.04	1.06
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	20	1.07	0.04	1.06
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	20	1.07	0.07	1.04
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	20	1.07	0.07	1.04
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	20	1.07	0.07	1.04
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	20	1.07	0.07	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	20	1.07	0.07	1.04
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	20	1.07	0.07	1.04
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	20	1.05	0.04	1.04
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	20	1.05	0.04	1.04
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	20	1.05	0.04	1.04
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	20	1.04	0.03	1.04
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	20	1.04	0.03	1.04
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	20	1.04	0.03	1.04
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	20	1.04	0.03	1.04
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	20	1.04	0.03	1.04
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	20	1.04	0.03	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	20	1.04	0.02	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	20	1.04	0.02	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	20	1.04	0.02	1.04
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	20	1.04	0.03	1.04
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	20	1.04	0.03	1.04
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	20	1.04	0.03	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	20	1.03	0.02	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	20	1.03	0.02	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	20	1.03	0.02	1.03
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	20	1.03	0.04	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	20	1.03	0.04	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	20	1.03	0.04	1.02
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	20	1.03	0.12	1.06
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	20	1.03	0.12	1.06
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	20	1.03	0.12	1.06
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	20	1.01	0.06	1.01
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	20	1.01	0.06	1.01
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	20	1.01	0.06	1.01
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	20	1.01	0.04	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	20	1.01	0.04	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	20	1.01	0.04	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	20	1.01	0.04	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	20	1.01	0.04	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	20	1.01	0.04	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	20	1.01	0.04	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	20	1.01	0.04	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	20	1.01	0.04	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	20	1.01	0.04	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	20	1.01	0.04	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	20	1.01	0.04	1.03
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	20	1.01	0.04	1.03

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	20	1.01	0.04	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	20	1.01	0.04	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	20	1.01	0.04	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	20	1.01	0.04	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	20	1.01	0.04	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	20	1.01	0.01	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	20	1.01	0.01	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	20	1.01	0.01	1.01
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	20	1.01	0.06	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	20	1.01	0.06	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	20	1.01	0.06	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	20	1.01	0.06	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	20	1.01	0.06	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	20	1.01	0.06	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	20	1.01	0.06	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	20	1.01	0.06	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	20	1.01	0.06	1.0
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	20	0.99	0.05	0.98
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	20	0.99	0.05	0.98
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	20	0.99	0.05	0.98
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	20	0.98	0.02	0.98
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	20	0.98	0.02	0.98
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	20	0.98	0.02	0.98
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	20	0.97	0.11	1.0
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	20	0.97	0.11	1.0
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	20	0.97	0.11	1.0
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	20	0.97	0.11	1.0
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	20	0.97	0.11	1.0
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	20	0.97	0.11	1.0
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	20	0.97	0.14	1.02
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	20	0.97	0.14	1.02
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	20	0.97	0.14	1.02
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	20	0.97	0.14	1.02
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	20	0.97	0.14	1.02
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	20	0.97	0.14	1.02
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	20	0.94	0.07	0.94
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	20	0.94	0.07	0.94
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	20	0.94	0.07	0.94
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	20	0.92	0.03	0.92
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	20	0.92	0.03	0.92
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	20	0.92	0.03	0.92
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	20	0.92	0.03	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	20	0.92	0.03	0.92
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	20	0.92	0.03	0.92
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	20	0.9	0.13	0.94
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	20	0.9	0.13	0.94
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	20	0.9	0.13	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	20	0.9	0.13	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	20	0.9	0.13	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	20	0.9	0.13	0.94
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	20	0.9	0.13	0.94
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	20	0.9	0.13	0.94
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	20	0.9	0.13	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	20	0.9	0.13	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	20	0.9	0.13	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	20	0.9	0.13	0.94
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	20	0.9	0.13	0.94
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	20	0.9	0.13	0.94
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	20	0.9	0.13	0.94
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	20	0.9	0.13	0.94
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	20	0.9	0.13	0.94
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	20	0.9	0.13	0.94
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	20	0.9	0.13	0.94
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	20	0.9	0.13	0.94
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	20	0.9	0.13	0.94
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	20	0.9	0.13	0.94
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	20	0.9	0.13	0.94
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	20	0.9	0.13	0.94
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	20	0.89	0.06	0.88
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	20	0.89	0.06	0.88
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	20	0.89	0.06	0.88
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	20	0.89	0.06	0.88
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	20	0.89	0.06	0.88
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	20	0.89	0.06	0.88
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	20	0.89	0.06	0.88
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	20	0.89	0.06	0.88
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	20	0.89	0.06	0.88
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	20	0.89	0.06	0.88
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	20	0.89	0.06	0.88
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	20	0.89	0.06	0.88
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	20	0.88	0.1	0.89
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	20	0.88	0.1	0.89
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	20	0.88	0.1	0.89
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	20	0.88	0.03	0.87

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	20	0.88	0.03	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	20	0.88	0.03	0.87
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	20	0.87	0.06	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	20	0.87	0.06	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	20	0.87	0.06	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	20	0.87	0.06	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	20	0.87	0.06	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	20	0.87	0.06	0.88
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	20	0.87	0.66	0.38
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	20	0.87	0.66	0.38
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	20	0.87	0.66	0.38
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	20	0.87	0.66	0.38
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	20	0.87	0.66	0.38
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	20	0.87	0.66	0.38
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	20	0.87	0.33	0.61
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	20	0.87	0.33	0.61
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	20	0.87	0.33	0.61
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	20	0.86	0.03	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	20	0.86	0.03	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	20	0.86	0.03	0.86
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	20	0.86	0.03	0.86
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	20	0.86	0.03	0.86
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	20	0.86	0.03	0.86
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	20	0.86	0.09	0.84
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	20	0.86	0.09	0.84
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	20	0.86	0.09	0.84
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	20	0.83	0.05	0.84
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	20	0.83	0.05	0.84
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	20	0.83	0.05	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	20	0.82	0.03	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	20	0.82	0.03	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	20	0.82	0.03	0.83
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	20	0.82	0.03	0.83

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	20	0.82	0.03	0.83
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	20	0.82	0.03	0.83
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	20	0.82	0.09	0.78
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	20	0.82	0.09	0.78
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	20	0.82	0.09	0.78
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	20	0.81	0.18	0.75
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	20	0.81	0.18	0.75
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	20	0.81	0.18	0.75
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	20	0.81	0.18	0.75
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	20	0.81	0.18	0.75
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	20	0.81	0.18	0.75
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	20	0.81	0.02	0.8
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	20	0.81	0.02	0.8
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	20	0.81	0.02	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	20	0.81	0.02	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	20	0.81	0.02	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	20	0.81	0.02	0.8
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	20	0.78	0.08	0.79
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	20	0.78	0.08	0.79
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	20	0.78	0.08	0.79
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	20	0.78	0.09	0.78
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	20	0.78	0.09	0.78
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	20	0.78	0.09	0.78
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	20	0.78	0.09	0.78
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	20	0.78	0.09	0.78
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	20	0.78	0.09	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	20	0.78	0.02	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	20	0.78	0.02	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	20	0.78	0.02	0.78
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	20	0.77	0.05	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	20	0.77	0.05	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	20	0.77	0.05	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	20	0.77	0.05	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	20	0.77	0.05	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	20	0.77	0.05	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	20	0.77	0.05	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	20	0.77	0.05	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	20	0.77	0.05	0.77
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	20	0.76	0.07	0.75
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	20	0.76	0.07	0.75
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	20	0.76	0.07	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	20	0.76	0.04	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	20	0.76	0.04	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	20	0.76	0.04	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	20	0.76	0.04	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	20	0.76	0.04	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	20	0.76	0.04	0.75
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	20	0.75	0.2	0.7
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	20	0.75	0.2	0.7
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	20	0.75	0.2	0.7
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	20	0.73	0.1	0.73
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	20	0.73	0.1	0.73
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	20	0.73	0.1	0.73
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	20	0.73	0.1	0.73
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	20	0.73	0.1	0.73
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	20	0.73	0.1	0.73
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	20	0.72	0.04	0.72
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	20	0.72	0.04	0.72
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	20	0.72	0.04	0.72
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	20	0.69	0.02	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	20	0.69	0.02	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	20	0.69	0.02	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	20	0.69	0.02	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	20	0.69	0.02	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	20	0.69	0.02	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	20	0.69	0.02	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	20	0.69	0.02	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	20	0.69	0.02	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	20	0.69	0.02	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	20	0.69	0.02	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	20	0.69	0.02	0.7
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	20	0.69	0.05	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	20	0.69	0.05	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	20	0.69	0.05	0.68
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	20	0.69	0.02	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	20	0.69	0.02	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	20	0.69	0.02	0.69
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	20	0.69	0.02	0.69
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	20	0.69	0.02	0.69
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	20	0.69	0.02	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	20	0.69	0.01	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	20	0.69	0.01	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	20	0.69	0.01	0.68
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	20	0.68	0.1	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	20	0.68	0.1	0.68
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	20	0.68	0.1	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	20	0.68	0.05	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	20	0.68	0.05	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	20	0.68	0.05	0.68
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	20	0.68	0.05	0.68
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	20	0.68	0.05	0.68
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	20	0.68	0.05	0.68
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	20	0.64	0.05	0.64
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	20	0.64	0.05	0.64
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	20	0.64	0.05	0.64
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	20	0.64	0.05	0.64
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	20	0.64	0.05	0.64
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	20	0.64	0.05	0.64
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	20	0.64	0.18	0.66
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	20	0.64	0.18	0.66
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	20	0.64	0.18	0.66
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	20	0.64	0.18	0.66
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	20	0.64	0.18	0.66
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	20	0.64	0.18	0.66
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	20	0.64	0.18	0.66
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	20	0.64	0.18	0.66
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	20	0.64	0.18	0.66
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	20	0.62	0.51	0.44
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	20	0.62	0.51	0.44
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	20	0.62	0.51	0.44
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	20	0.62	0.04	0.61
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	20	0.62	0.04	0.61
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	20	0.62	0.04	0.61
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	20	0.6	0.08	0.59
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	20	0.6	0.08	0.59
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	20	0.6	0.08	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	20	0.6	0.08	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	20	0.6	0.08	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	20	0.6	0.08	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	20	0.6	0.08	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	20	0.6	0.08	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	20	0.6	0.08	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	20	0.6	0.02	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	20	0.6	0.02	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	20	0.6	0.02	0.59
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	20	0.59	0.11	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	20	0.59	0.11	0.52
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	20	0.59	0.11	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	20	0.59	0.11	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	20	0.59	0.11	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	20	0.59	0.11	0.52
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	20	0.59	0.11	0.52
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	20	0.59	0.11	0.52
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	20	0.59	0.11	0.52
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	20	0.59	0.11	0.52
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	20	0.59	0.11	0.52
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	20	0.59	0.11	0.52
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	20	0.58	0.23	0.52
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	20	0.58	0.23	0.52
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	20	0.58	0.23	0.52
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	20	0.58	0.23	0.52
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	20	0.58	0.23	0.52
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	20	0.58	0.23	0.52
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	20	0.58	0.07	0.56
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	20	0.58	0.07	0.56
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	20	0.58	0.07	0.56
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	20	0.56	0.08	0.59
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	20	0.56	0.08	0.59
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	20	0.56	0.08	0.59
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	20	0.56	0.08	0.59
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	20	0.56	0.08	0.59
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	20	0.56	0.08	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	20	0.56	0.08	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	20	0.56	0.08	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	20	0.56	0.08	0.59
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	20	0.56	0.01	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	20	0.56	0.01	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	20	0.56	0.01	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	20	0.56	0.01	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	20	0.56	0.01	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	20	0.56	0.01	0.55
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	20	0.55	0.07	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	20	0.55	0.07	0.53
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	20	0.55	0.07	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	20	0.55	0.02	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	20	0.55	0.02	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	20	0.55	0.02	0.54
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	20	0.55	0.02	0.54
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	20	0.55	0.02	0.54
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	20	0.55	0.02	0.54
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	20	0.54	0.06	0.52
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	20	0.54	0.06	0.52
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	20	0.54	0.06	0.52
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	20	0.54	0.06	0.52
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	20	0.54	0.06	0.52
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	20	0.54	0.06	0.52
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	20	0.53	0.02	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	20	0.53	0.02	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	20	0.53	0.02	0.53
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	20	0.53	0.02	0.53
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	20	0.53	0.02	0.53
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	20	0.53	0.02	0.53
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	20	0.53	0.06	0.55
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	20	0.53	0.06	0.55
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	20	0.53	0.06	0.55
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	20	0.53	0.06	0.55
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	20	0.53	0.06	0.55
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	20	0.53	0.06	0.55
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	20	0.52	0.13	0.52
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	20	0.52	0.13	0.52
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	20	0.52	0.13	0.52
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	20	0.52	0.13	0.52
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	20	0.52	0.13	0.52
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	20	0.52	0.13	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	20	0.52	0.09	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	20	0.52	0.09	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	20	0.52	0.09	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	20	0.52	0.09	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	20	0.52	0.09	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	20	0.52	0.09	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	20	0.52	0.09	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	20	0.52	0.09	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	20	0.52	0.09	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	20	0.52	0.09	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	20	0.52	0.09	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	20	0.52	0.09	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	20	0.52	0.09	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	20	0.52	0.09	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	20	0.52	0.09	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	20	0.52	0.09	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	20	0.52	0.09	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	20	0.52	0.09	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	20	0.51	0.05	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	20	0.51	0.05	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	20	0.51	0.05	0.52
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	20	0.5	0.18	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	20	0.5	0.18	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	20	0.5	0.18	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	20	0.5	0.18	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	20	0.5	0.18	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	20	0.5	0.18	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	20	0.5	0.18	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	20	0.5	0.18	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	20	0.5	0.18	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	20	0.5	0.18	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	20	0.5	0.18	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	20	0.5	0.18	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	20	0.5	0.18	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	20	0.5	0.18	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	20	0.5	0.18	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	20	0.5	0.18	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	20	0.5	0.18	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	20	0.5	0.18	0.66
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	20	0.48	0.02	0.48
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	20	0.48	0.02	0.48
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	20	0.48	0.02	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	20	0.48	0.03	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	20	0.48	0.03	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	20	0.48	0.03	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	20	0.48	0.03	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	20	0.48	0.03	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	20	0.48	0.03	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	20	0.48	0.01	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	20	0.48	0.01	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	20	0.48	0.01	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	20	0.48	0.01	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	20	0.48	0.01	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	20	0.48	0.01	0.48
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	20	0.47	0.09	0.44
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	20	0.47	0.09	0.44
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	20	0.47	0.09	0.44
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	20	0.47	0.02	0.47
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	20	0.47	0.02	0.47
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	20	0.47	0.02	0.47
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	20	0.47	0.02	0.47
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	20	0.47	0.02	0.47
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	20	0.47	0.02	0.47
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	20	0.45	0.12	0.52
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	20	0.45	0.12	0.52
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	20	0.45	0.12	0.52
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	20	0.44	0.12	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	20	0.44	0.12	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	20	0.44	0.12	0.43
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	20	0.44	0.36	0.39
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	20	0.44	0.36	0.39
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	20	0.44	0.36	0.39
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	20	0.44	0.02	0.43
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	20	0.44	0.02	0.43
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	20	0.44	0.02	0.43
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	20	0.44	0.15	0.43
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	20	0.44	0.15	0.43
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	20	0.44	0.15	0.43
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	20	0.44	0.15	0.43
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	20	0.44	0.15	0.43
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	20	0.44	0.15	0.43
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	20	0.44	0.15	0.43
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	20	0.44	0.15	0.43
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	20	0.44	0.15	0.43
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	20	0.43	0.01	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	20	0.43	0.01	0.44
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	20	0.43	0.01	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	20	0.42	0.02	0.42
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	20	0.42	0.02	0.42
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	20	0.42	0.02	0.42
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	20	0.42	0.04	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	20	0.42	0.04	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	20	0.42	0.04	0.43
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	20	0.42	0.04	0.43
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	20	0.42	0.04	0.43
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	20	0.42	0.04	0.43
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	20	0.42	0.15	0.38
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	20	0.42	0.15	0.38
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	20	0.42	0.19	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	20	0.42	0.19	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	20	0.42	0.19	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	20	0.42	0.19	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	20	0.42	0.19	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	20	0.42	0.19	0.57
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	20	0.41	0.04	0.41
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	20	0.41	0.04	0.41
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	20	0.41	0.04	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	20	0.41	0.04	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	20	0.41	0.04	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	20	0.41	0.04	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	20	0.41	0.03	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	20	0.41	0.03	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	20	0.41	0.03	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	20	0.41	0.03	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	20	0.41	0.03	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	20	0.41	0.03	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	20	0.41	0.03	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	20	0.41	0.03	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	20	0.41	0.03	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	20	0.4	0.05	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	20	0.4	0.05	0.4
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	20	0.39	0.09	0.4
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	20	0.39	0.09	0.4
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	20	0.39	0.09	0.4
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	20	0.39	0.03	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	20	0.39	0.03	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	20	0.39	0.03	0.39
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	20	0.37	0.02	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	20	0.37	0.02	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	20	0.37	0.02	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	20	0.37	0.02	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	20	0.37	0.02	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	20	0.37	0.02	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	20	0.37	0.02	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	20	0.37	0.02	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	20	0.37	0.02	0.38
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	20	0.36	0.07	0.36
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	20	0.36	0.07	0.36
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	20	0.36	0.07	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	20	0.36	0.01	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	20	0.36	0.01	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	20	0.36	0.01	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	20	0.36	0.01	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	20	0.36	0.01	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	20	0.36	0.01	0.36
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	20	0.36	0.02	0.35
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	20	0.36	0.02	0.35
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	20	0.36	0.02	0.35
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	20	0.36	0.08	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	20	0.36	0.08	0.36
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	20	0.36	0.08	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	20	0.36	0.08	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	20	0.36	0.08	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	20	0.36	0.08	0.36
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	20	0.35	0.05	0.36
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	20	0.35	0.05	0.36
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	20	0.35	0.05	0.36
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	20	0.35	0.07	0.34
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	20	0.35	0.07	0.34
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	20	0.35	0.07	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	20	0.35	0.07	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	20	0.35	0.07	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	20	0.35	0.07	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	20	0.35	0.07	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	20	0.35	0.07	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	20	0.35	0.07	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	20	0.35	0.07	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	20	0.34	0.03	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	20	0.34	0.03	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	20	0.34	0.03	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	20	0.34	0.03	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	20	0.34	0.03	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	20	0.34	0.03	0.34
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	20	0.34	0.04	0.33
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	20	0.34	0.04	0.33
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	20	0.34	0.04	0.33
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	20	0.34	0.04	0.33
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	20	0.34	0.04	0.33
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	20	0.34	0.04	0.33
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	20	0.33	0.02	0.34
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	20	0.33	0.02	0.34
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	20	0.33	0.02	0.34
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	20	0.32	0.1	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	20	0.32	0.1	0.3
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	20	0.32	0.1	0.3
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	20	0.32	0.1	0.3
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	20	0.32	0.1	0.3
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	20	0.32	0.1	0.3
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	20	0.29	0.05	0.29
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	20	0.29	0.05	0.29
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	20	0.29	0.05	0.29
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	20	0.28	0.02	0.29
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	20	0.28	0.02	0.28
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	20	0.28	0.02	0.28
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	20	0.28	0.02	0.28
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	20	0.28	0.02	0.28
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	20	0.28	0.02	0.27
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	20	0.28	0.02	0.27
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	20	0.28	0.02	0.27
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	20	0.26	0.03	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	20	0.26	0.01	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	20	0.26	0.01	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	20	0.26	0.01	0.26
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	20	0.26	0.01	0.26
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	20	0.26	0.01	0.26
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	20	0.26	0.01	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	20	0.26	0.03	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	20	0.26	0.03	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	20	0.26	0.03	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	20	0.26	0.01	0.26
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	20	0.25	0.05	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	20	0.25	0.05	0.24
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	20	0.25	0.07	0.26
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	20	0.25	0.07	0.26
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	20	0.25	0.07	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	20	0.24	0.02	0.24
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	20	0.24	0.02	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	20	0.23	0.01	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	20	0.23	0.01	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	20	0.23	0.01	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	20	0.23	0.01	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	20	0.23	0.01	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	20	0.23	0.01	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	20	0.23	0.04	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	20	0.23	0.04	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	20	0.23	0.04	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	20	0.23	0.04	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	20	0.23	0.04	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	20	0.23	0.04	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	20	0.22	0.04	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	20	0.22	0.04	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	20	0.22	0.04	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	20	0.22	0.04	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	20	0.22	0.04	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	20	0.22	0.04	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	20	0.22	0.04	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	20	0.22	0.04	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	20	0.22	0.04	0.22
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	20	0.22	0.04	0.22
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	20	0.22	0.04	0.22
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	20	0.22	0.04	0.22
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	20	0.22	0.03	0.21
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	20	0.21	0.05	0.22
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	20	0.21	0.05	0.22
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	20	0.21	0.05	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	20	0.21	0.05	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	20	0.21	0.05	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	20	0.21	0.05	0.22
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	20	0.21	0.03	0.2
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	20	0.21	0.03	0.2
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	20	0.21	0.03	0.2
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	20	0.21	0.03	0.2
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	20	0.21	0.03	0.2
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	20	0.21	0.03	0.2
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	20	0.21	0.03	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	20	0.21	0.03	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	20	0.21	0.03	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	20	0.19	0.02	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	20	0.19	0.02	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	20	0.19	0.02	0.2
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	20	0.19	0.01	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	20	0.19	0.02	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	20	0.19	0.02	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	20	0.19	0.02	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	20	0.18	0.02	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	20	0.18	0.02	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	20	0.18	0.02	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	20	0.18	0.02	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	20	0.18	0.02	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	20	0.18	0.02	0.18
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	20	0.18	0.02	0.18
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	20	0.18	0.02	0.18
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	20	0.18	0.02	0.18
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	20	0.17	0.03	0.17
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	20	0.17	0.03	0.17
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	20	0.17	0.03	0.17
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	20	0.17	0.05	0.15
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	20	0.17	0.05	0.15
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	20	0.17	0.01	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	20	0.17	0.02	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	20	0.17	0.02	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	20	0.17	0.02	0.17
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	20	0.16	0.0	0.16
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	20	0.16	0.01	0.16
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	20	0.16	0.01	0.16
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	20	0.16	0.01	0.16
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	20	0.16	0.02	0.16
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	20	0.16	0.02	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	20	0.16	0.01	0.16
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	20	0.15	0.01	0.15
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	20	0.15	0.02	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	20	0.15	0.02	0.16
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	20	0.15	0.01	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	20	0.15	0.01	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	20	0.15	0.01	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	20	0.15	0.01	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	20	0.15	0.01	0.15
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	20	0.15	0.01	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	20	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	20	0.15	0.01	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	20	0.15	0.0	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	20	0.15	0.0	0.15
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	20	0.15	0.02	0.15
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	20	0.15	0.03	0.14
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	20	0.15	0.02	0.15
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	20	0.14	0.02	0.16
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	20	0.14	0.02	0.15
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	20	0.14	0.02	0.15
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	20	0.14	0.01	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	20	0.14	0.01	0.14
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	20	0.14	0.01	0.14
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	20	0.13	0.01	0.13
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	20	0.13	0.01	0.13
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	20	0.13	0.01	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	20	0.13	0.01	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	20	0.13	0.01	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	20	0.13	0.01	0.13
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	20	0.13	0.02	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	20	0.13	0.01	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	20	0.13	0.0	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	20	0.13	0.0	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	20	0.12	0.01	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	20	0.12	0.01	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	20	0.12	0.01	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	20	0.12	0.01	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	20	0.12	0.01	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	20	0.12	0.01	0.13
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	20	0.12	0.01	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	20	0.12	0.01	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	20	0.12	0.01	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	20	0.12	0.01	0.12
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	20	0.12	0.01	0.12
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	20	0.11	0.01	0.11
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	19	1.95	0.4	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	19	1.95	0.4	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	19	1.95	0.4	2.02
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	19	0.8	0.41	0.71
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	19	0.8	0.41	0.71
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	19	0.8	0.41	0.71
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	19	0.43	0.07	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	19	0.43	0.07	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	19	0.43	0.07	0.45
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	19	0.41	0.03	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	19	0.41	0.03	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	19	0.41	0.03	0.41
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	19	0.41	0.03	0.41
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	19	0.41	0.03	0.41
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	19	0.41	0.03	0.41
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	19	0.27	0.09	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	19	0.27	0.09	0.29
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	19	0.22	0.06	0.21
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	19	0.22	0.06	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	19	0.22	0.06	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	19	0.22	0.06	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	19	0.22	0.06	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	19	0.22	0.06	0.21
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	19	0.21	0.06	0.21
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	19	0.21	0.06	0.21
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	19	0.21	0.06	0.21
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	19	0.21	0.06	0.21
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	19	0.21	0.06	0.21
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	19	0.21	0.06	0.21
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	19	0.19	0.01	0.19
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	19	0.18	0.04	0.18
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	19	0.18	0.04	0.18
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	19	0.17	0.02	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	19	0.17	0.02	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	19	0.17	0.02	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	19	0.17	0.02	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	19	0.17	0.02	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	19	0.17	0.02	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	19	0.17	0.02	0.18
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	19	0.17	0.02	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	19	0.17	0.02	0.17
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	19	0.16	0.03	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	19	0.15	0.0	0.15
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	19	0.14	0.02	0.14
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	19	0.14	0.02	0.14
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	19	0.13	0.02	0.13
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	19	0.11	0.0	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	19	0.11	0.0	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	19	0.11	0.0	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	19	0.11	0.0	0.11
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	18	2.0	0.01	2.0
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	18	2.0	0.01	2.0
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	18	2.0	0.01	2.0
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	18	2.0	0.01	2.0
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	18	2.0	0.01	2.0
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	18	2.0	0.01	2.0
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	18	1.87	0.02	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	18	1.87	0.02	1.86
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	18	1.58	0.1	1.57
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	18	1.58	0.1	1.57
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	18	1.58	0.1	1.57
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	18	1.53	0.03	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	18	1.53	0.03	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	18	1.53	0.03	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	18	1.53	0.03	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	18	1.53	0.03	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	18	1.53	0.03	1.52
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	18	1.53	0.03	1.52
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	18	1.53	0.03	1.52
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	18	1.53	0.03	1.52
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	18	1.53	0.03	1.52
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	18	1.53	0.03	1.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	18	1.53	0.03	1.52
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	18	1.53	0.03	1.52
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	18	1.53	0.03	1.52
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	18	1.53	0.03	1.52
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	18	1.53	0.03	1.52
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	18	1.53	0.03	1.52
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	18	1.53	0.03	1.52
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	18	1.16	0.03	1.16
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	18	1.16	0.03	1.16
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	18	1.16	0.03	1.16
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	18	1.16	0.03	1.16
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	18	1.16	0.03	1.16
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	18	1.16	0.03	1.16
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	18	1.12	0.05	1.12
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	18	1.12	0.05	1.12
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	18	1.12	0.05	1.12
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	18	1.12	0.05	1.12
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	18	1.12	0.05	1.12
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	18	1.12	0.05	1.12
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	18	1.06	0.03	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	18	1.06	0.03	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	18	1.06	0.03	1.06
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	18	1.04	0.11	1.03
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	18	1.04	0.11	1.03
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	18	1.04	0.11	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	18	1.04	0.11	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	18	1.04	0.11	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	18	1.04	0.11	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	18	1.02	0.01	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	18	1.02	0.01	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	18	1.02	0.01	1.02
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	18	1.02	0.01	1.02
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	18	1.02	0.01	1.02
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	18	1.02	0.01	1.02
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	18	0.83	0.02	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	18	0.83	0.02	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	18	0.83	0.02	0.82
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	18	0.43	0.23	0.36
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	18	0.43	0.23	0.36
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	18	0.43	0.23	0.36
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	18	0.34	0.11	0.34
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	18	0.34	0.11	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	18	0.34	0.11	0.34
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	18	0.26	0.04	0.26
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	18	0.26	0.04	0.26
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	18	0.26	0.04	0.26
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	18	0.26	0.04	0.26
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	18	0.26	0.04	0.26
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	18	0.26	0.04	0.26
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	18	0.18	0.05	0.19
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	18	0.18	0.05	0.19
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	18	0.18	0.05	0.19
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	18	0.18	0.05	0.19
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	18	0.18	0.05	0.19
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	18	0.18	0.05	0.19
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	18	0.18	0.05	0.19
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	18	0.18	0.05	0.19
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	18	0.18	0.05	0.19
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	18	0.15	0.03	0.15
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	18	0.13	0.03	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	18	0.13	0.03	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	18	0.13	0.02	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	18	0.13	0.02	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	18	0.13	0.01	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	18	0.13	0.01	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	18	0.13	0.01	0.13
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	18	0.12	0.01	0.12
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	18	0.12	0.01	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	18	0.12	0.01	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	18	0.12	0.01	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	18	0.12	0.01	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	18	0.12	0.01	0.12
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	17	0.99	0.39	0.91
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	17	0.99	0.39	0.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	17	0.99	0.39	0.91
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	17	0.99	0.39	0.91
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	17	0.99	0.39	0.91
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	17	0.99	0.39	0.91
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	17	0.99	0.39	0.91
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	17	0.99	0.39	0.91
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	17	0.99	0.39	0.91
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	17	0.99	0.39	0.91
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	17	0.99	0.39	0.91
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	17	0.99	0.39	0.91
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	17	0.42	0.12	0.48
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	17	0.42	0.12	0.48
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	17	0.42	0.12	0.48
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	17	0.36	0.2	0.34
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	17	0.36	0.2	0.34
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	17	0.36	0.2	0.34
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	17	0.32	0.12	0.32
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	17	0.32	0.12	0.32
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	17	0.32	0.12	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	17	0.32	0.12	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	17	0.32	0.12	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	17	0.32	0.12	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	17	0.32	0.12	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	17	0.32	0.12	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	17	0.32	0.12	0.32
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	17	0.17	0.02	0.17
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	17	0.16	0.03	0.15
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	17	0.16	0.03	0.15
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	17	0.16	0.03	0.15
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	17	0.16	0.03	0.15
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	17	0.16	0.03	0.15
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	17	0.16	0.03	0.15
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	17	0.16	0.02	0.16
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	17	0.13	0.01	0.13
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	17	0.13	0.01	0.13
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	17	0.12	0.01	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	17	0.12	0.01	0.11
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	16	0.27	0.13	0.26
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	16	0.27	0.13	0.26
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	16	0.27	0.13	0.26
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	16	0.16	0.07	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	16	0.16	0.07	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	16	0.16	0.07	0.14
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	16	0.15	0.02	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	16	0.15	0.04	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	16	0.15	0.04	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	16	0.15	0.04	0.15
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	16	0.14	0.03	0.15
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	16	0.14	0.02	0.14
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	16	0.14	0.02	0.14
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	15	1.07	0.13	1.09
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	15	1.07	0.13	1.09
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	15	1.07	0.13	1.09
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	15	1.07	0.13	1.09
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	15	1.07	0.13	1.09
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	15	1.07	0.13	1.09
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	15	1.07	0.13	1.09
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	15	1.07	0.13	1.09
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	15	1.07	0.13	1.09
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	15	1.07	0.13	1.09
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	15	0.86	0.15	0.8
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	15	0.86	0.15	0.8
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	15	0.86	0.15	0.8
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	15	0.86	0.15	0.8
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	15	0.86	0.15	0.8
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	15	0.86	0.15	0.8
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	15	0.38	0.11	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	15	0.38	0.11	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	15	0.38	0.11	0.35
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	15	0.28	0.2	0.23
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	15	0.28	0.2	0.23
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	15	0.28	0.2	0.23
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	15	0.28	0.2	0.23
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	15	0.28	0.2	0.23
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	15	0.28	0.2	0.23
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	15	0.19	0.06	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	15	0.19	0.06	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	15	0.19	0.06	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	15	0.19	0.06	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	15	0.19	0.06	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	15	0.19	0.06	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	15	0.19	0.06	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	15	0.19	0.06	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	15	0.19	0.06	0.19
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	15	0.15	0.03	0.16
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	15	0.15	0.03	0.16
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	15	0.15	0.03	0.16
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	15	0.12	0.01	0.12
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	15	0.12	0.01	0.12
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	15	0.12	0.01	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	15	0.12	0.01	0.12
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	14	1.56	0.48	1.9
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	14	1.56	0.48	1.9
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	14	1.56	0.48	1.9
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	14	1.34	0.16	1.27
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	14	1.34	0.16	1.27
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	14	1.34	0.16	1.27
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	14	0.52	0.27	0.46
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	14	0.52	0.27	0.46
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	14	0.52	0.27	0.46
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	14	0.52	0.27	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	14	0.52	0.27	0.46
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	14	0.52	0.27	0.46
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	14	0.52	0.27	0.46
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	14	0.52	0.27	0.46
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	14	0.52	0.27	0.46
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	14	0.52	0.27	0.46
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	14	0.52	0.27	0.46
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	14	0.52	0.27	0.46
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	14	0.41	0.01	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	14	0.41	0.01	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	14	0.41	0.01	0.41
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	14	0.41	0.01	0.41
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	14	0.41	0.01	0.41
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	14	0.41	0.01	0.41
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	14	0.2	0.05	0.19
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	14	0.2	0.05	0.19
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	14	0.2	0.05	0.19
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	14	0.15	0.03	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	14	0.15	0.03	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	14	0.15	0.03	0.16
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	14	0.15	0.03	0.14
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	14	0.13	0.01	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	14	0.13	0.01	0.13
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	14	0.12	0.01	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	14	0.12	0.01	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	14	0.11	0.01	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	14	0.11	0.01	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	14	0.11	0.01	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	14	0.11	0.01	0.11
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	13	0.48	0.16	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	13	0.48	0.16	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	13	0.48	0.16	0.54
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	13	0.41	0.13	0.38
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	13	0.41	0.13	0.38
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	13	0.41	0.13	0.38
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	13	0.41	0.13	0.38
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	13	0.41	0.13	0.38
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	13	0.41	0.13	0.38
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	13	0.32	0.13	0.33
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	13	0.32	0.13	0.33
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	13	0.32	0.13	0.33
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	13	0.32	0.13	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	13	0.32	0.13	0.33
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	13	0.32	0.13	0.33
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	13	0.24	0.09	0.27
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	13	0.24	0.09	0.27
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	13	0.24	0.09	0.27
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	13	0.17	0.03	0.16
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	13	0.17	0.03	0.17
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	13	0.17	0.03	0.17
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	13	0.15	0.02	0.15
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	13	0.15	0.02	0.15
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	13	0.15	0.02	0.15
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	13	0.14	0.03	0.14
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	13	0.14	0.03	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	13	0.14	0.01	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	13	0.14	0.01	0.14
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	13	0.13	0.02	0.14
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	13	0.13	0.02	0.14
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	13	0.13	0.01	0.13
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	13	0.13	0.01	0.13
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	13	0.11	0.01	0.11
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	12	0.49	0.27	0.62
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	12	0.49	0.27	0.62
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	12	0.49	0.27	0.62
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	12	0.49	0.27	0.62
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	12	0.49	0.27	0.62
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	12	0.49	0.27	0.62
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	12	0.17	0.05	0.16
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	12	0.15	0.03	0.15
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	12	0.15	0.03	0.15
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	12	0.15	0.03	0.15
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	12	0.15	0.03	0.15
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	12	0.15	0.03	0.15
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	12	0.15	0.03	0.15
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	12	0.15	0.03	0.15
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	12	0.15	0.03	0.15
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	12	0.15	0.03	0.15
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	12	0.12	0.01	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	12	0.12	0.01	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	12	0.12	0.01	0.12
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	12	0.11	0.01	0.11
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	11	0.31	0.15	0.25
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	11	0.31	0.15	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	11	0.31	0.15	0.25
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	11	0.31	0.15	0.25
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	11	0.31	0.15	0.25
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	11	0.31	0.15	0.25
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	11	0.29	0.11	0.29
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	11	0.29	0.11	0.29
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	11	0.29	0.11	0.29
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	11	0.25	0.02	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	11	0.25	0.02	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	11	0.25	0.02	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	11	0.25	0.02	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	11	0.25	0.02	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	11	0.25	0.02	0.26
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	11	0.2	0.07	0.17
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	11	0.2	0.07	0.17
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	11	0.2	0.07	0.17
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	11	0.18	0.04	0.18
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	11	0.18	0.04	0.18
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	11	0.18	0.05	0.17
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	11	0.18	0.05	0.17
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	11	0.18	0.05	0.17
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	11	0.18	0.05	0.17
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	11	0.18	0.05	0.17
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	11	0.18	0.05	0.17
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	11	0.13	0.01	0.13
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	11	0.13	0.01	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	11	0.13	0.01	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	11	0.13	0.01	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	11	0.13	0.01	0.13
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	11	0.12	0.01	0.12
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	11	0.12	0.01	0.12
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	11	0.12	0.01	0.12
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	11	0.12	0.01	0.12
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	11	0.12	0.01	0.12
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	11	0.12	0.01	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	11	0.12	0.01	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	11	0.12	0.01	0.11
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	11	0.11	0.01	0.11
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	10	0.16	0.02	0.16
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	10	0.15	0.02	0.15
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	10	0.12	0.02	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	10	0.12	0.02	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	10	0.12	0.02	0.11
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	10	0.1	0.0	0.1
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	9	1.33	0.08	1.34
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	9	1.33	0.08	1.34
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	9	1.33	0.08	1.34
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	9	1.33	0.08	1.34
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	9	1.33	0.08	1.34
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	9	1.33	0.08	1.34
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	9	0.98	0.03	0.98
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	9	0.98	0.03	0.98
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	9	0.98	0.03	0.98
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	9	0.98	0.03	0.98
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	9	0.98	0.03	0.98
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	9	0.98	0.03	0.98
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	9	0.98	0.03	0.98
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	9	0.98	0.03	0.98
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	9	0.98	0.03	0.98
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	9	0.94	0.03	0.95
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	9	0.94	0.03	0.95
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	9	0.94	0.03	0.95
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	9	0.94	0.03	0.95
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	9	0.94	0.03	0.95
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	9	0.94	0.03	0.95
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	9	0.9	0.05	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	9	0.9	0.05	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	9	0.9	0.05	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	9	0.9	0.05	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	9	0.9	0.05	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	9	0.9	0.05	0.89
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	9	0.69	0.05	0.69
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	9	0.69	0.05	0.69
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	9	0.69	0.05	0.69
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	9	0.52	0.03	0.53
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	9	0.52	0.03	0.53
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	9	0.52	0.03	0.53
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	9	0.22	0.06	0.22
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	9	0.22	0.06	0.22
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	9	0.22	0.06	0.22
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	9	0.22	0.06	0.22
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	9	0.22	0.06	0.22
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	9	0.22	0.06	0.22
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	9	0.22	0.06	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	9	0.22	0.06	0.22
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	9	0.22	0.06	0.22
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	9	0.2	0.02	0.21
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	9	0.2	0.02	0.21
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	9	0.15	0.05	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	9	0.15	0.05	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	9	0.15	0.05	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	9	0.15	0.05	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	9	0.15	0.05	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	9	0.15	0.05	0.14
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	9	0.14	0.02	0.14
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	9	0.14	0.02	0.14
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	9	0.14	0.02	0.14
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	9	0.14	0.03	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	9	0.14	0.03	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	9	0.14	0.03	0.13
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	9	0.13	0.01	0.12
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	9	0.13	0.01	0.12
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	9	0.13	0.01	0.12
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	9	0.13	0.01	0.12
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	9	0.13	0.01	0.12
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	9	0.13	0.01	0.12
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	9	0.11	0.01	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	9	0.11	0.01	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	9	0.11	0.01	0.11
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	8	0.21	0.06	0.2
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	8	0.21	0.06	0.2
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	8	0.21	0.06	0.2
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	8	0.21	0.06	0.2
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	8	0.21	0.06	0.2
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	8	0.21	0.06	0.2
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	8	0.21	0.06	0.2
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	8	0.21	0.06	0.2
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	8	0.21	0.06	0.2
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	8	0.21	0.14	0.17
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	8	0.21	0.14	0.17
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	8	0.21	0.14	0.17
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	8	0.12	0.01	0.12
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	8	0.12	0.01	0.12
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	8	0.11	0.01	0.11
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	8	0.11	0.01	0.11
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	8	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	8	0.11	0.01	0.11
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	8	0.11	0.01	0.11
(1,1956)	1:148:A:LEU:HD11	1:119:A:VAL:HB	7	0.33	0.15	0.26
(1,1956)	1:148:A:LEU:HD12	1:119:A:VAL:HB	7	0.33	0.15	0.26
(1,1956)	1:148:A:LEU:HD13	1:119:A:VAL:HB	7	0.33	0.15	0.26
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG2	7	0.2	0.01	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG3	7	0.2	0.01	0.2
(1,3861)	1:113:A:GLU:HG2	1:114:A:GLN:H	7	0.2	0.01	0.2
(1,3861)	1:113:A:GLU:HG3	1:114:A:GLN:H	7	0.2	0.01	0.2
(1,1536)	1:50:A:LYS:HG2	1:50:A:LYS:HA	7	0.17	0.02	0.17
(1,1536)	1:50:A:LYS:HG3	1:50:A:LYS:HA	7	0.17	0.02	0.17
(1,711)	1:96:A:SER:H	1:94:A:ASP:HA	7	0.15	0.02	0.15
(1,3881)	1:115:A:SER:HB2	1:116:A:ALA:H	7	0.13	0.01	0.13
(1,3881)	1:115:A:SER:HB3	1:116:A:ALA:H	7	0.13	0.01	0.13
(1,2949)	1:114:A:GLN:H	1:115:A:SER:HA	7	0.13	0.01	0.13
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB2	7	0.11	0.01	0.11
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB3	7	0.11	0.01	0.11
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB2	7	0.11	0.01	0.11
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB3	7	0.11	0.01	0.11
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB2	7	0.11	0.01	0.11
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB3	7	0.11	0.01	0.11
(1,1440)	1:55:A:VAL:HG21	1:54:A:VAL:HA	7	0.11	0.01	0.11
(1,1440)	1:55:A:VAL:HG22	1:54:A:VAL:HA	7	0.11	0.01	0.11
(1,1440)	1:55:A:VAL:HG23	1:54:A:VAL:HA	7	0.11	0.01	0.11
(1,1444)	1:35:A:VAL:HB	1:34:A:THR:HA	7	0.11	0.01	0.11
(1,3835)	1:110:A:LEU:HD21	1:111:A:LEU:H	7	0.1	0.0	0.1
(1,3835)	1:110:A:LEU:HD22	1:111:A:LEU:H	7	0.1	0.0	0.1
(1,3835)	1:110:A:LEU:HD23	1:111:A:LEU:H	7	0.1	0.0	0.1
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG11	6	0.73	0.03	0.74
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG12	6	0.73	0.03	0.74
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG13	6	0.73	0.03	0.74
(1,3718)	1:89:A:VAL:HG11	1:90:A:ILE:H	6	0.73	0.03	0.74
(1,3718)	1:89:A:VAL:HG12	1:90:A:ILE:H	6	0.73	0.03	0.74
(1,3718)	1:89:A:VAL:HG13	1:90:A:ILE:H	6	0.73	0.03	0.74
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD21	6	0.39	0.19	0.46
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD22	6	0.39	0.19	0.46
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD23	6	0.39	0.19	0.46
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD21	6	0.39	0.19	0.46
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD22	6	0.39	0.19	0.46
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD23	6	0.39	0.19	0.46
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG11	6	0.36	0.01	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG12	6	0.36	0.01	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG13	6	0.36	0.01	0.36
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD21	6	0.21	0.13	0.16
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD22	6	0.21	0.13	0.16
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD23	6	0.21	0.13	0.16
(1,4269)	1:121:A:GLU:HG2	1:140:A:TRP:HE1	6	0.17	0.02	0.16
(1,4269)	1:121:A:GLU:HG3	1:140:A:TRP:HE1	6	0.17	0.02	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG21	6	0.16	0.03	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG22	6	0.16	0.03	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG23	6	0.16	0.03	0.16
(1,3306)	1:31:A:HIS:HD2	1:30:A:GLY:H	6	0.12	0.01	0.12
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD11	6	0.11	0.01	0.11
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD12	6	0.11	0.01	0.11
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD13	6	0.11	0.01	0.11
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD11	6	0.11	0.01	0.11
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD12	6	0.11	0.01	0.11
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD13	6	0.11	0.01	0.11
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB2	5	0.52	0.08	0.5
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB3	5	0.52	0.08	0.5
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB2	5	0.52	0.08	0.5
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB3	5	0.52	0.08	0.5
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB2	5	0.52	0.08	0.5
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB3	5	0.52	0.08	0.5
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG21	5	0.23	0.03	0.25
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG22	5	0.23	0.03	0.25
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG23	5	0.23	0.03	0.25
(1,2396)	1:89:A:VAL:HG21	1:89:A:VAL:HA	5	0.23	0.03	0.25
(1,2396)	1:89:A:VAL:HG22	1:89:A:VAL:HA	5	0.23	0.03	0.25
(1,2396)	1:89:A:VAL:HG23	1:89:A:VAL:HA	5	0.23	0.03	0.25
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB2	5	0.15	0.01	0.15
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB3	5	0.15	0.01	0.15
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB2	5	0.15	0.01	0.15
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB3	5	0.15	0.01	0.15
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD11	5	0.13	0.01	0.13
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD12	5	0.13	0.01	0.13
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD13	5	0.13	0.01	0.13
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD11	5	0.13	0.01	0.13
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD12	5	0.13	0.01	0.13
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD13	5	0.13	0.01	0.13
(1,4179)	1:148:A:LEU:HD21	1:149:A:SER:H	5	0.12	0.01	0.12
(1,4179)	1:148:A:LEU:HD22	1:149:A:SER:H	5	0.12	0.01	0.12
(1,4179)	1:148:A:LEU:HD23	1:149:A:SER:H	5	0.12	0.01	0.12
(1,2841)	1:87:A:TYR:HD1	1:85:A:LEU:HG	5	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2841)	1:87:A:TYR:HD2	1:85:A:LEU:HG	5	0.11	0.01	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG2	5	0.11	0.0	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG3	5	0.11	0.0	0.11
(1,3801)	1:106:A:GLN:HA	1:107:A:PHE:H	5	0.1	0.0	0.1
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD21	4	0.19	0.09	0.16
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD22	4	0.19	0.09	0.16
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD23	4	0.19	0.09	0.16
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD21	4	0.19	0.09	0.16
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD22	4	0.19	0.09	0.16
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD23	4	0.19	0.09	0.16
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD11	4	0.19	0.01	0.19
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD12	4	0.19	0.01	0.19
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD13	4	0.19	0.01	0.19
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD2	4	0.18	0.02	0.17
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD3	4	0.18	0.02	0.17
(1,3166)	1:3:A:GLU:HG2	1:4:A:ILE:H	4	0.14	0.03	0.14
(1,3166)	1:3:A:GLU:HG3	1:4:A:ILE:H	4	0.14	0.03	0.14
(1,2412)	1:112:A:GLN:H	1:108:A:ASP:HA	4	0.13	0.02	0.13
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD11	4	0.13	0.02	0.12
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD12	4	0.13	0.02	0.12
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD13	4	0.13	0.02	0.12
(1,3825)	1:87:A:TYR:HE1	1:111:A:LEU:H	4	0.12	0.02	0.12
(1,3825)	1:87:A:TYR:HE2	1:111:A:LEU:H	4	0.12	0.02	0.12
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB1	4	0.12	0.01	0.12
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB2	4	0.12	0.01	0.12
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB3	4	0.12	0.01	0.12
(1,3921)	1:122:A:MET:H	1:121:A:GLU:H	4	0.12	0.02	0.12
(1,3922)	1:121:A:GLU:H	1:122:A:MET:H	4	0.12	0.02	0.12
(1,114)	1:143:A:HIS:H	1:143:A:HIS:HA	4	0.11	0.0	0.11
(1,4109)	1:143:A:HIS:HA	1:143:A:HIS:H	4	0.11	0.0	0.11
(1,3547)	1:68:A:ILE:HD11	1:68:A:ILE:H	4	0.11	0.01	0.11
(1,3547)	1:68:A:ILE:HD12	1:68:A:ILE:H	4	0.11	0.01	0.11
(1,3547)	1:68:A:ILE:HD13	1:68:A:ILE:H	4	0.11	0.01	0.11
(1,102)	1:24:A:ALA:H	1:23:A:GLU:HA	4	0.11	0.0	0.11
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG2	4	0.11	0.0	0.11
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG3	4	0.11	0.0	0.11
(1,2059)	1:4:A:ILE:HD11	1:26:A:LEU:HG	4	0.11	0.0	0.11
(1,2059)	1:4:A:ILE:HD12	1:26:A:LEU:HG	4	0.11	0.0	0.11
(1,2059)	1:4:A:ILE:HD13	1:26:A:LEU:HG	4	0.11	0.0	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG21	4	0.11	0.0	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG22	4	0.11	0.0	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG23	4	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG21	4	0.11	0.0	0.11
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG22	4	0.11	0.0	0.11
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG23	4	0.11	0.0	0.11
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG11	3	0.87	0.05	0.89
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG12	3	0.87	0.05	0.89
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG13	3	0.87	0.05	0.89
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG11	3	0.87	0.05	0.89
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG12	3	0.87	0.05	0.89
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG13	3	0.87	0.05	0.89
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG11	3	0.85	0.09	0.83
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG12	3	0.85	0.09	0.83
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG13	3	0.85	0.09	0.83
(1,3885)	1:85:A:LEU:HD21	1:117:A:GLN:H	3	0.21	0.1	0.18
(1,3885)	1:85:A:LEU:HD22	1:117:A:GLN:H	3	0.21	0.1	0.18
(1,3885)	1:85:A:LEU:HD23	1:117:A:GLN:H	3	0.21	0.1	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG11	3	0.18	0.0	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG12	3	0.18	0.0	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG13	3	0.18	0.0	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG11	3	0.18	0.0	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG12	3	0.18	0.0	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG13	3	0.18	0.0	0.18
(1,4213)	1:69:A:VAL:HG11	1:73:A:GLN:HE21	3	0.18	0.0	0.18
(1,4213)	1:69:A:VAL:HG11	1:73:A:GLN:HE22	3	0.18	0.0	0.18
(1,4213)	1:69:A:VAL:HG12	1:73:A:GLN:HE21	3	0.18	0.0	0.18
(1,4213)	1:69:A:VAL:HG12	1:73:A:GLN:HE22	3	0.18	0.0	0.18
(1,4213)	1:69:A:VAL:HG13	1:73:A:GLN:HE21	3	0.18	0.0	0.18
(1,4213)	1:69:A:VAL:HG13	1:73:A:GLN:HE22	3	0.18	0.0	0.18
(1,1744)	1:32:A:LYS:HA	1:26:A:LEU:HB2	3	0.12	0.01	0.12
(1,1744)	1:32:A:LYS:HA	1:26:A:LEU:HB3	3	0.12	0.01	0.12
(1,4021)	1:17:A:LEU:HD21	1:135:A:THR:H	3	0.12	0.0	0.12
(1,4021)	1:17:A:LEU:HD22	1:135:A:THR:H	3	0.12	0.0	0.12
(1,4021)	1:17:A:LEU:HD23	1:135:A:THR:H	3	0.12	0.0	0.12
(1,1607)	1:110:A:LEU:HD11	1:76:A:LYS:HE2	3	0.11	0.02	0.1
(1,1607)	1:110:A:LEU:HD11	1:76:A:LYS:HE3	3	0.11	0.02	0.1
(1,1607)	1:110:A:LEU:HD12	1:76:A:LYS:HE2	3	0.11	0.02	0.1
(1,1607)	1:110:A:LEU:HD12	1:76:A:LYS:HE3	3	0.11	0.02	0.1
(1,1607)	1:110:A:LEU:HD13	1:76:A:LYS:HE2	3	0.11	0.02	0.1
(1,1607)	1:110:A:LEU:HD13	1:76:A:LYS:HE3	3	0.11	0.02	0.1
(1,3396)	1:43:A:ASP:HB2	1:42:A:SER:H	3	0.11	0.01	0.1
(1,3396)	1:43:A:ASP:HB3	1:42:A:SER:H	3	0.11	0.01	0.1
(1,129)	1:74:A:GLY:H	1:71:A:LEU:HA	3	0.1	0.0	0.1
(1,710)	1:127:A:ALA:H	1:94:A:ASP:HA	3	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG21	2	0.95	0.0	0.95
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG22	2	0.95	0.0	0.95
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG23	2	0.95	0.0	0.95
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG11	2	0.52	0.02	0.52
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG12	2	0.52	0.02	0.52
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG13	2	0.52	0.02	0.52
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG11	2	0.42	0.02	0.42
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG12	2	0.42	0.02	0.42
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG13	2	0.42	0.02	0.42
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD11	2	0.18	0.06	0.18
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD12	2	0.18	0.06	0.18
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD13	2	0.18	0.06	0.18
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD11	2	0.18	0.06	0.18
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD12	2	0.18	0.06	0.18
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD13	2	0.18	0.06	0.18
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD11	2	0.18	0.06	0.18
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD12	2	0.18	0.06	0.18
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD13	2	0.18	0.06	0.18
(1,4135)	1:142:A:GLU:H	1:145:A:GLY:H	2	0.12	0.02	0.12
(1,4294)	1:99:A:ASN:HA	1:102:A:ASN:HD21	2	0.12	0.01	0.12
(1,4294)	1:99:A:ASN:HA	1:102:A:ASN:HD22	2	0.12	0.01	0.12
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD11	2	0.11	0.01	0.11
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD12	2	0.11	0.01	0.11
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD13	2	0.11	0.01	0.11
(1,719)	1:86:A:ARG:HB2	1:51:A:TYR:HA	2	0.11	0.0	0.11
(1,719)	1:86:A:ARG:HB3	1:51:A:TYR:HA	2	0.11	0.0	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD11	2	0.11	0.0	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD12	2	0.11	0.0	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD13	2	0.11	0.0	0.11
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD11	2	0.11	0.01	0.11
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD12	2	0.11	0.01	0.11
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD13	2	0.11	0.01	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG21	2	0.11	0.0	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG22	2	0.11	0.0	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG23	2	0.11	0.0	0.11
(1,2335)	1:31:A:HIS:HB2	1:4:A:ILE:HG12	2	0.11	0.01	0.11
(1,2335)	1:31:A:HIS:HB2	1:4:A:ILE:HG13	2	0.11	0.01	0.11
(1,2335)	1:31:A:HIS:HB3	1:4:A:ILE:HG12	2	0.11	0.01	0.11
(1,2335)	1:31:A:HIS:HB3	1:4:A:ILE:HG13	2	0.11	0.01	0.11
(1,95)	1:96:A:SER:H	1:96:A:SER:HA	2	0.11	0.0	0.11
(1,772)	1:136:A:GLU:HA	1:136:A:GLU:HG2	2	0.11	0.0	0.11
(1,772)	1:136:A:GLU:HA	1:136:A:GLU:HG3	2	0.11	0.0	0.11

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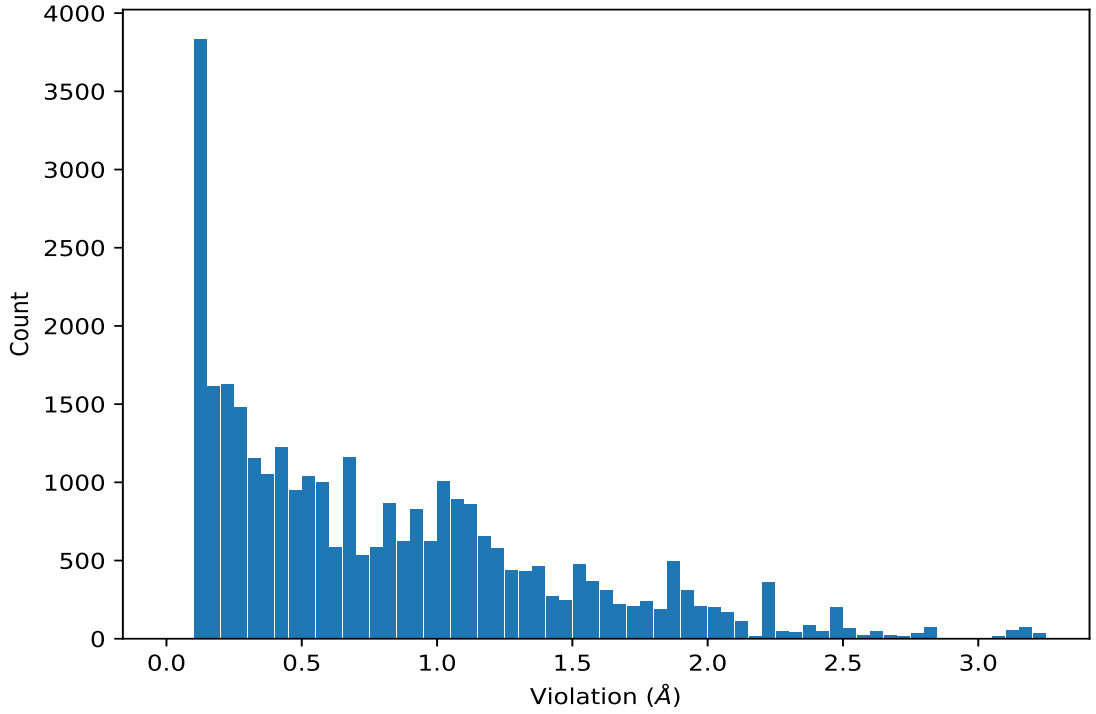
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1512)	1:105:A:LYS:HD2	1:102:A:ASN:HA	2	0.11	0.0	0.11
(1,1512)	1:105:A:LYS:HD3	1:102:A:ASN:HA	2	0.11	0.0	0.11
(1,1515)	1:136:A:GLU:HG2	1:136:A:GLU:HA	2	0.11	0.0	0.11
(1,1515)	1:136:A:GLU:HG3	1:136:A:GLU:HA	2	0.11	0.0	0.11

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	1	3.21
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	1	3.21
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	1	3.21
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	1	3.21
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	1	3.21
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	1	3.21
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	1	3.21
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	1	3.21
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	1	3.21
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	8	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	8	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	8	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	8	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	8	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	8	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	8	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	8	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	8	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	10	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	10	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	10	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	10	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	10	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	10	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	10	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	10	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	10	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	17	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	17	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	17	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	17	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	17	3.2
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	17	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	17	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	17	3.2
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	17	3.2
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	2	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	2	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	2	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	2	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	2	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	2	3.19
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	2	3.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	2	3.19
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	2	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	11	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	11	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	11	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	11	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	11	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	11	3.19
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	11	3.19
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	11	3.19
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	11	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	16	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	16	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	16	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	16	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	16	3.19
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	16	3.19
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	16	3.19
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	16	3.19
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	16	3.19
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	12	3.18
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	12	3.18
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	12	3.18
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	12	3.18
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	12	3.18
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	12	3.18
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	12	3.18
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	12	3.18
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	12	3.18
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	18	3.18
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	18	3.18
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	18	3.18
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	18	3.18
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	18	3.18
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	18	3.18
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	18	3.18
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	18	3.18
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	18	3.18
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	13	3.17
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	13	3.17
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	13	3.17
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	13	3.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	13	3.17
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	13	3.17
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	13	3.17
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	13	3.17
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	13	3.17
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	7	3.16
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	7	3.16
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	7	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	7	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	7	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	7	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	7	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	7	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	7	3.16
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	20	3.16
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	20	3.16
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	20	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	20	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	20	3.16
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	20	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	20	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	20	3.16
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	20	3.16
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	3	3.15
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	3	3.15
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	3	3.15
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	3	3.15
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	3	3.15
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	3	3.15
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	3	3.15
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	3	3.15
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	3	3.15
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	6	3.14
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	6	3.14
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	6	3.14
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	6	3.14
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	6	3.14
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	6	3.14
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	6	3.14
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	6	3.14
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	6	3.14
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	9	3.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	9	3.13
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	9	3.13
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	9	3.13
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	9	3.13
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	9	3.13
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	9	3.13
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	9	3.13
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	9	3.13
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	14	3.13
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	14	3.13
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	14	3.13
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	14	3.13
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	14	3.13
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	14	3.13
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	14	3.13
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	14	3.13
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	14	3.13
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	4	3.11
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	4	3.11
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	4	3.11
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	4	3.11
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	4	3.11
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	4	3.11
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	4	3.11
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	4	3.11
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	4	3.11
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	5	3.1
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	5	3.1
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	5	3.1
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	5	3.1
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	5	3.1
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	5	3.1
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	5	3.1
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	5	3.1
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	5	3.1
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	19	3.09
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	19	3.09
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	19	3.09
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	19	3.09
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	19	3.09
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	19	3.09
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	19	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	19	3.09
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	19	3.09
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG21	15	3.08
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG22	15	3.08
(1,1304)	1:147:A:LEU:HD21	1:119:A:VAL:HG23	15	3.08
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG21	15	3.08
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG22	15	3.08
(1,1304)	1:147:A:LEU:HD22	1:119:A:VAL:HG23	15	3.08
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG21	15	3.08
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG22	15	3.08
(1,1304)	1:147:A:LEU:HD23	1:119:A:VAL:HG23	15	3.08
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	8	2.84
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	8	2.84
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	8	2.84
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	15	2.84
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	15	2.84
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	15	2.84
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	18	2.84
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	18	2.84
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	18	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	8	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	8	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	8	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	15	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	15	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	15	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	18	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	18	2.84
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	18	2.84
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	1	2.83
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	1	2.83
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	1	2.83
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	2	2.83
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	2	2.83
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	2	2.83
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	7	2.83
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	7	2.83
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	7	2.83
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	11	2.83
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	11	2.83
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	11	2.83
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	17	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	17	2.83
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	17	2.83
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	19	2.83
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	19	2.83
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	19	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	1	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	1	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	1	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	2	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	2	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	2	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	7	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	7	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	7	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	11	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	11	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	11	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	17	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	17	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	17	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	19	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	19	2.83
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	19	2.83
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	5	2.82
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	5	2.82
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	5	2.82
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	13	2.82
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	13	2.82
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	13	2.82
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	5	2.82
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	5	2.82
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	5	2.82
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	13	2.82
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	13	2.82
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	13	2.82
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	9	2.81
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	9	2.81
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	9	2.81
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	9	2.81
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	9	2.81
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	9	2.81
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	3	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	3	2.8
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	3	2.8
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	12	2.8
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	12	2.8
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	12	2.8
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	20	2.8
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	20	2.8
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	20	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	3	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	3	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	3	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	12	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	12	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	12	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	20	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	20	2.8
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	20	2.8
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	6	2.75
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	6	2.75
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	6	2.75
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	14	2.75
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	14	2.75
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	14	2.75
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	16	2.75
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	16	2.75
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	16	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	6	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	6	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	6	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	14	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	14	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	14	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	16	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	16	2.75
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	16	2.75
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	10	2.74
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	10	2.74
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	10	2.74
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	10	2.74
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	10	2.74
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	10	2.74
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	13	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	13	2.73
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	13	2.73
(1,1503)	1:141:A:VAL:HG21	1:26:A:LEU:HA	4	2.72
(1,1503)	1:141:A:VAL:HG22	1:26:A:LEU:HA	4	2.72
(1,1503)	1:141:A:VAL:HG23	1:26:A:LEU:HA	4	2.72
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG21	4	2.72
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG22	4	2.72
(1,969)	1:26:A:LEU:HA	1:141:A:VAL:HG23	4	2.72
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	16	2.71
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	16	2.71
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	16	2.71
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	5	2.69
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	5	2.69
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	5	2.69
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	9	2.67
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	9	2.67
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	9	2.67
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	16	2.67
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	16	2.67
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	16	2.67
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	1	2.66
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	1	2.66
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	1	2.66
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	8	2.66
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	8	2.66
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	8	2.66
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	17	2.66
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	17	2.66
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	17	2.66
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	10	2.66
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	10	2.66
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	10	2.66
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	15	2.65
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	15	2.65
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	15	2.65
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	20	2.65
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	20	2.65
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	20	2.65
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	2	2.65
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	2	2.65
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	2	2.65
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	8	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	8	2.65
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	8	2.65
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	20	2.65
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	20	2.65
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	20	2.65
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	2	2.63
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	2	2.63
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	2	2.63
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	6	2.63
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	6	2.63
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	6	2.63
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	10	2.63
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	10	2.63
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	10	2.63
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	14	2.63
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	14	2.63
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	14	2.63
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	16	2.62
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	16	2.62
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	16	2.62
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	12	2.62
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	12	2.62
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	12	2.62
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	18	2.61
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	18	2.61
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	18	2.61
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	19	2.61
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	19	2.61
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	19	2.61
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	1	2.61
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	1	2.61
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	1	2.61
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	7	2.6
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	7	2.6
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	7	2.6
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	9	2.59
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	9	2.59
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	9	2.59
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	11	2.59
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	11	2.59
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	11	2.59
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	15	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	15	2.59
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	15	2.59
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	13	2.58
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	13	2.58
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	13	2.58
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	5	2.58
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	5	2.58
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	5	2.58
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	11	2.57
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	11	2.57
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	11	2.57
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	6	2.57
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	6	2.57
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	6	2.57
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	17	2.56
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	17	2.56
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	17	2.56
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	4	2.55
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	4	2.55
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	4	2.55
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	14	2.55
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	14	2.55
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	14	2.55
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	19	2.53
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	19	2.53
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	19	2.53
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	19	2.53
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	19	2.53
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	19	2.53
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	3	2.52
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	3	2.52
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	3	2.52
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	12	2.52
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	12	2.52
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	12	2.52
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	3	2.52
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	3	2.52
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	3	2.52
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	3	2.52
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	3	2.52
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	3	2.52
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	6	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	6	2.52
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	6	2.52
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	11	2.51
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	11	2.51
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	11	2.51
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	15	2.51
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	15	2.51
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	15	2.51
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	20	2.51
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	20	2.51
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	20	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	11	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	11	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	11	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	15	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	15	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	15	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	20	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	20	2.51
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	20	2.51
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	1	2.51
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	1	2.51
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	1	2.51
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	9	2.51
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	9	2.51
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	9	2.51
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	14	2.51
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	14	2.51
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	14	2.51
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	12	2.51
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	12	2.51
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	12	2.51
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	8	2.5
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	8	2.5
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	8	2.5
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	20	2.5
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	20	2.5
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	20	2.5
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	3	2.5
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	3	2.5
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	3	2.5
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	9	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	9	2.49
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	9	2.49
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	16	2.49
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	16	2.49
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	16	2.49
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	18	2.49
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	18	2.49
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	18	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	9	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	9	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	9	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	16	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	16	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	16	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	18	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	18	2.49
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	18	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	4	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	4	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	4	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	4	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	4	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	4	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	5	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	5	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	5	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	5	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	5	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	5	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	7	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	7	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	7	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	7	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	7	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	7	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	12	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	12	2.49
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	12	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	12	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	12	2.49
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	12	2.49
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	4	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	4	2.49
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	4	2.49
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	19	2.49
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	19	2.49
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	19	2.49
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	13	2.49
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	13	2.49
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	13	2.49
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	1	2.48
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	1	2.48
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	1	2.48
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	4	2.48
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	4	2.48
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	4	2.48
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	6	2.48
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	6	2.48
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	6	2.48
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	10	2.48
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	10	2.48
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	10	2.48
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	13	2.48
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	13	2.48
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	13	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	1	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	1	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	1	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	4	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	4	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	4	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	6	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	6	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	6	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	10	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	10	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	10	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	13	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	13	2.48
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	13	2.48
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	8	2.48
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	8	2.48
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	8	2.48
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	16	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	16	2.48
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	16	2.48
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	16	2.48
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	16	2.48
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	16	2.48
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	7	2.48
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	7	2.48
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	7	2.48
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	8	2.48
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	8	2.48
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	8	2.48
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	2	2.47
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	2	2.47
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	2	2.47
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	7	2.47
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	7	2.47
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	7	2.47
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	12	2.47
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	12	2.47
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	12	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	2	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	2	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	2	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	7	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	7	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	7	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	12	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	12	2.47
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	12	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	8	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	8	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	8	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	8	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	8	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	8	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	10	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	10	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	10	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	10	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	10	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	10	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	14	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	14	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	14	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	14	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	14	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	14	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	17	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	17	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	17	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	17	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	17	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	17	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	18	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	18	2.47
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	18	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	18	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	18	2.47
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	18	2.47
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	8	2.46
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	8	2.46
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	8	2.46
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	17	2.46
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	17	2.46
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	17	2.46
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	8	2.46
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	8	2.46
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	8	2.46
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	17	2.46
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	17	2.46
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	17	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	1	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	1	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	1	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	1	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	1	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	1	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	6	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	6	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	6	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	6	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	6	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	6	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	9	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	9	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	9	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	9	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	9	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	9	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	13	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	13	2.46
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	13	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	13	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	13	2.46
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	13	2.46
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	19	2.45
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	19	2.45
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	19	2.45
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	19	2.45
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	19	2.45
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	19	2.45
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	17	2.45
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	17	2.45
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	17	2.45
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	11	2.45
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	11	2.45
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	11	2.45
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	11	2.45
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	11	2.45
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	11	2.45
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	5	2.45
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	5	2.45
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	5	2.45
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	20	2.45
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	20	2.45
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	20	2.45
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	14	2.44
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	14	2.44
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	14	2.44
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	14	2.44
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	14	2.44
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	14	2.44
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	10	2.44
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	10	2.44
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	10	2.44
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	16	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	16	2.44
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	16	2.44
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	2	2.44
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	2	2.44
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	2	2.44
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	2	2.44
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	2	2.44
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	2	2.44
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	15	2.44
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	15	2.44
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	15	2.44
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	15	2.44
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	15	2.44
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	15	2.44
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	11	2.44
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	11	2.44
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	11	2.44
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	11	2.44
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	11	2.44
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	11	2.44
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	11	2.43
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	11	2.43
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	11	2.43
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	2	2.42
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	2	2.42
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	2	2.42
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	18	2.42
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	18	2.42
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	18	2.42
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	3	2.42
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	3	2.42
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	3	2.42
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	12	2.41
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	12	2.41
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	12	2.41
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	19	2.41
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	19	2.41
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	19	2.41
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG11	19	2.41
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG12	19	2.41
(1,587)	1:86:A:ARG:HA	1:119:A:VAL:HG13	19	2.41
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	12	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	12	2.4
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	12	2.4
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	13	2.4
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	13	2.4
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	13	2.4
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG11	20	2.4
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG12	20	2.4
(1,1279)	1:53:A:LEU:HB2	1:55:A:VAL:HG13	20	2.4
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG11	20	2.4
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG12	20	2.4
(1,1279)	1:53:A:LEU:HB3	1:55:A:VAL:HG13	20	2.4
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	14	2.4
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	14	2.4
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	14	2.4
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	20	2.4
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	20	2.4
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	20	2.4
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	5	2.4
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	5	2.4
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	5	2.4
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	13	2.4
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	13	2.4
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	13	2.4
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	1	2.39
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	1	2.39
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	1	2.39
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	18	2.39
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	18	2.39
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	18	2.39
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	14	2.39
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	14	2.39
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	14	2.39
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	18	2.38
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	18	2.38
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	18	2.38
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	20	2.38
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	20	2.38
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	20	2.38
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	1	2.38
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	1	2.38
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	1	2.38
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	8	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	8	2.38
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	8	2.38
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	13	2.38
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	13	2.38
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	13	2.38
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	2	2.37
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	2	2.37
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	2	2.37
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	6	2.37
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	6	2.37
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	6	2.37
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	12	2.37
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	12	2.37
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	12	2.37
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	7	2.36
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	7	2.36
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	7	2.36
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	4	2.36
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	4	2.36
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	4	2.36
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	17	2.36
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	17	2.36
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	17	2.36
(1,4042)	1:141:A:VAL:HG11	1:137:A:SER:H	4	2.35
(1,4042)	1:141:A:VAL:HG12	1:137:A:SER:H	4	2.35
(1,4042)	1:141:A:VAL:HG13	1:137:A:SER:H	4	2.35
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	10	2.35
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	10	2.35
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	10	2.35
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	15	2.35
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	15	2.35
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	15	2.35
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	4	2.35
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	4	2.35
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	4	2.35
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	9	2.35
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	9	2.35
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	9	2.35
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	9	2.35
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	9	2.35
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	9	2.35
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	16	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	16	2.34
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	16	2.34
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	2	2.34
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	2	2.34
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	2	2.34
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	12	2.33
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	12	2.33
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	12	2.33
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	12	2.33
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	12	2.33
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	12	2.33
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	12	2.33
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	12	2.33
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	12	2.33
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	12	2.33
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	12	2.33
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	12	2.33
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	6	2.33
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	6	2.33
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	6	2.33
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	17	2.32
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	17	2.32
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	17	2.32
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	3	2.31
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	3	2.31
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	3	2.31
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	14	2.31
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	14	2.31
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	14	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	1	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	1	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	1	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	16	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	16	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	16	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	18	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	18	2.31
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	18	2.31
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	6	2.29
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	6	2.29
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	6	2.29
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	10	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	10	2.29
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	10	2.29
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	10	2.29
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	10	2.29
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	10	2.29
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	3	2.27
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	3	2.27
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	3	2.27
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	15	2.27
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	15	2.27
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	15	2.27
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	18	2.26
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	18	2.26
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	18	2.26
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	19	2.26
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	19	2.26
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	19	2.26
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	4	2.25
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	4	2.25
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	4	2.25
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	4	2.25
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	4	2.25
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	4	2.25
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	4	2.25
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	4	2.25
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	4	2.25
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	4	2.25
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	4	2.25
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	4	2.25
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	4	2.25
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	4	2.25
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	4	2.25
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	4	2.25
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	4	2.25
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	4	2.25
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	7	2.25
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	7	2.25
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	7	2.25
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	11	2.25
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	11	2.25
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	11	2.25
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	5	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	5	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	5	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	5	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	5	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	5	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	5	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	5	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	5	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	6	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	6	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	6	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	6	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	6	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	6	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	6	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	6	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	6	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	8	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	8	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	8	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	8	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	8	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	8	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	8	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	8	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	8	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	13	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	13	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	13	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	13	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	13	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	13	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	13	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	13	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	13	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	14	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	14	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	14	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	14	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	14	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	14	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	14	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	14	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	14	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	19	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	19	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	19	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	19	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	19	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	19	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	19	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	19	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	19	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	20	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	20	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	20	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	20	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	20	2.24
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	20	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	20	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	20	2.24
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	20	2.24
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	9	2.24
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	9	2.24
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	9	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	5	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	5	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	5	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	5	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	5	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	5	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	5	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	5	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	5	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	6	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	6	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	6	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	6	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	6	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	6	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	6	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	6	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	6	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	8	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	8	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	8	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	8	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	8	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	8	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	8	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	8	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	8	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	13	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	13	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	13	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	13	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	13	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	13	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	13	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	13	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	13	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	14	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	14	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	14	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	14	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	14	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	14	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	14	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	14	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	14	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	19	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	19	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	19	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	19	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	19	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	19	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	19	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	19	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	19	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	20	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	20	2.24
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	20	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	20	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	20	2.24
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	20	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	20	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	20	2.24
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	20	2.24
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD11	15	2.24
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD12	15	2.24
(1,523)	1:91:A:ALA:H	1:124:A:LEU:HD13	15	2.24
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	1	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	1	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	1	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	1	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	1	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	1	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	1	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	1	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	1	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	2	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	2	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	2	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	2	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	2	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	2	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	2	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	2	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	2	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	3	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	3	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	3	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	3	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	3	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	3	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	3	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	3	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	3	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	7	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	7	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	7	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	7	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	7	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	7	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	7	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	7	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	7	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	9	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	9	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	9	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	9	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	9	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	9	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	9	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	9	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	9	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	10	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	10	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	10	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	10	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	10	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	10	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	10	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	10	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	10	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	11	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	11	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	11	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	11	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	11	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	11	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	11	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	11	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	11	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	12	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	12	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	12	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	12	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	12	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	12	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	12	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	12	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	12	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	17	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	17	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	17	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	17	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	17	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	17	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	17	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	17	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	17	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	18	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	18	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	18	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	18	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	18	2.23
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	18	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	18	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	18	2.23
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	18	2.23
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	4	2.23
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	4	2.23
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	4	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	1	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	1	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	1	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	1	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	1	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	1	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	1	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	1	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	1	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	2	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	2	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	2	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	2	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	2	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	2	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	2	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	2	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	2	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	3	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	3	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	3	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	3	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	3	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	3	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	3	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	3	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	3	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	7	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	7	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	7	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	7	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	7	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	7	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	7	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	7	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	7	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	9	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	9	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	9	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	9	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	9	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	9	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	9	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	9	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	9	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	10	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	10	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	10	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	10	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	10	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	10	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	10	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	10	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	10	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	11	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	11	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	11	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	11	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	11	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	11	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	11	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	11	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	11	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	12	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	12	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	12	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	12	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	12	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	12	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	12	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	12	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	12	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	17	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	17	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	17	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	17	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	17	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	17	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	17	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	17	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	17	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	18	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	18	2.23
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	18	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	18	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	18	2.23
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	18	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	18	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	18	2.23
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	18	2.23
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	5	2.23
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	5	2.23
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	5	2.23
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	7	2.23
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	7	2.23
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	7	2.23
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	15	2.22
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	15	2.22
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	15	2.22
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	15	2.22
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	15	2.22
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	15	2.22
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	15	2.22
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	15	2.22
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	15	2.22
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD11	16	2.22
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD12	16	2.22
(1,2065)	1:53:A:LEU:HD11	1:6:A:ILE:HD13	16	2.22
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD11	16	2.22
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD12	16	2.22
(1,2065)	1:53:A:LEU:HD12	1:6:A:ILE:HD13	16	2.22
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD11	16	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD12	16	2.22
(1,2065)	1:53:A:LEU:HD13	1:6:A:ILE:HD13	16	2.22
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	15	2.22
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	15	2.22
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	15	2.22
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	15	2.22
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	15	2.22
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	15	2.22
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	15	2.22
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	15	2.22
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	15	2.22
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD11	16	2.22
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD12	16	2.22
(1,1295)	1:6:A:ILE:HD11	1:53:A:LEU:HD13	16	2.22
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD11	16	2.22
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD12	16	2.22
(1,1295)	1:6:A:ILE:HD12	1:53:A:LEU:HD13	16	2.22
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD11	16	2.22
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD12	16	2.22
(1,1295)	1:6:A:ILE:HD13	1:53:A:LEU:HD13	16	2.22
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG11	7	2.22
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG12	7	2.22
(1,632)	1:44:A:TRP:HZ2	1:54:A:VAL:HG13	7	2.22
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	10	2.2
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	10	2.2
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	10	2.2
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	5	2.19
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	5	2.19
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	5	2.19
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	1	2.18
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	1	2.18
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	1	2.18
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	20	2.17
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	20	2.17
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	20	2.17
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	8	2.16
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	8	2.16
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	8	2.16
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	19	2.15
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	19	2.15
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	19	2.15
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	3	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	3	2.15
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	3	2.15
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	12	2.14
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	12	2.14
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	12	2.14
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	13	2.14
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	13	2.14
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	13	2.14
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	13	2.14
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	13	2.14
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	13	2.14
(1,1431)	1:119:A:VAL:HG21	1:144:A:TRP:HA	15	2.14
(1,1431)	1:119:A:VAL:HG22	1:144:A:TRP:HA	15	2.14
(1,1431)	1:119:A:VAL:HG23	1:144:A:TRP:HA	15	2.14
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	13	2.14
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	13	2.14
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	13	2.14
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	13	2.14
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	13	2.14
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	13	2.14
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	17	2.13
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	17	2.13
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	17	2.13
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	9	2.12
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	9	2.12
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	9	2.12
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	9	2.12
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	9	2.12
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	9	2.12
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	12	2.12
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	12	2.12
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	12	2.12
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	12	2.12
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	12	2.12
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	12	2.12
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	9	2.12
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	9	2.12
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	9	2.12
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	9	2.12
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	9	2.12
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	9	2.12
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	12	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	12	2.12
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	12	2.12
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	12	2.12
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	12	2.12
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	12	2.12
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	3	2.12
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	3	2.12
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	3	2.12
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	3	2.12
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	3	2.12
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	3	2.12
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	3	2.12
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	3	2.12
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	3	2.12
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	17	2.11
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	17	2.11
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	17	2.11
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	7	2.11
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	7	2.11
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	7	2.11
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	5	2.11
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	5	2.11
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	5	2.11
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	20	2.11
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	20	2.11
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	20	2.11
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	13	2.11
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	13	2.11
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	13	2.11
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	17	2.11
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	17	2.11
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	17	2.11
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	6	2.11
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	6	2.11
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	6	2.11
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	6	2.11
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	6	2.11
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	6	2.11
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	16	2.11
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	16	2.11
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	16	2.11
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	19	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	19	2.1
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	19	2.1
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	3	2.1
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	3	2.1
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	3	2.1
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	9	2.1
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	9	2.1
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	9	2.1
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	2	2.1
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	2	2.1
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	2	2.1
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	4	2.1
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	4	2.1
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	4	2.1
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	8	2.1
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	8	2.1
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	8	2.1
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	9	2.1
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	9	2.1
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	9	2.1
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	10	2.1
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	10	2.1
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	10	2.1
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	14	2.1
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	14	2.1
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	14	2.1
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	16	2.1
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	16	2.1
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	16	2.1
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	11	2.1
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	11	2.1
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	11	2.1
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	1	2.09
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	1	2.09
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	1	2.09
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	1	2.09
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	1	2.09
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	1	2.09
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	10	2.09
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	10	2.09
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	10	2.09
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	14	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	14	2.09
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	14	2.09
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	18	2.09
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	18	2.09
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	18	2.09
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	5	2.09
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	5	2.09
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	5	2.09
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	7	2.09
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	7	2.09
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	7	2.09
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	12	2.09
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	12	2.09
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	12	2.09
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	18	2.09
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	18	2.09
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	18	2.09
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	1	2.09
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	1	2.09
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	1	2.09
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	1	2.09
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	1	2.09
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	1	2.09
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	4	2.09
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	4	2.09
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	4	2.09
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	4	2.09
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	4	2.09
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	4	2.09
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	12	2.09
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	12	2.09
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	12	2.09
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	9	2.08
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	9	2.08
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	9	2.08
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	17	2.08
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	17	2.08
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	17	2.08
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	17	2.08
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	17	2.08
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	17	2.08
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	3	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	3	2.08
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	3	2.08
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	9	2.08
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	9	2.08
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	9	2.08
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	11	2.08
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	11	2.08
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	11	2.08
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	18	2.08
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	18	2.08
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	18	2.08
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	1	2.08
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	1	2.08
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	1	2.08
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	4	2.08
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	4	2.08
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	4	2.08
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	8	2.08
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	8	2.08
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	8	2.08
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	17	2.08
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	17	2.08
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	17	2.08
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	1	2.08
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	1	2.08
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	1	2.08
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	6	2.08
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	6	2.08
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	6	2.08
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	11	2.08
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	11	2.08
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	11	2.08
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	15	2.08
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	15	2.08
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	15	2.08
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	20	2.08
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	20	2.08
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	20	2.08
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	17	2.08
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	17	2.08
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	17	2.08
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	17	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	17	2.08
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	17	2.08
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	7	2.08
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	7	2.08
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	7	2.08
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	18	2.08
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	18	2.08
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	18	2.08
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	18	2.08
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	18	2.08
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	18	2.08
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	4	2.07
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	4	2.07
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	4	2.07
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	18	2.07
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	18	2.07
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	18	2.07
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	4	2.07
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	4	2.07
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	4	2.07
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	6	2.07
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	6	2.07
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	6	2.07
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	15	2.07
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	15	2.07
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	15	2.07
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	20	2.07
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	20	2.07
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	20	2.07
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	2	2.07
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	2	2.07
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	2	2.07
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	6	2.07
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	6	2.07
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	6	2.07
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	12	2.07
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	12	2.07
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	12	2.07
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	15	2.07
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	15	2.07
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	15	2.07
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	3	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	3	2.07
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	3	2.07
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	13	2.07
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	13	2.07
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	13	2.07
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	13	2.07
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	13	2.07
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	13	2.07
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	14	2.07
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	14	2.07
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	14	2.07
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	1	2.06
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	1	2.06
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	1	2.06
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	2	2.06
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	2	2.06
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	2	2.06
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	10	2.06
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	10	2.06
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	10	2.06
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	13	2.06
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	13	2.06
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	13	2.06
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	16	2.06
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	16	2.06
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	16	2.06
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	11	2.06
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	11	2.06
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	11	2.06
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	13	2.06
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	13	2.06
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	13	2.06
(1,1475)	1:141:A:VAL:HG21	1:142:A:GLU:HA	19	2.06
(1,1475)	1:141:A:VAL:HG22	1:142:A:GLU:HA	19	2.06
(1,1475)	1:141:A:VAL:HG23	1:142:A:GLU:HA	19	2.06
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	1	2.05
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	1	2.05
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	1	2.05
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	7	2.05
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	7	2.05
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	7	2.05
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	12	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	12	2.05
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	12	2.05
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	17	2.05
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	17	2.05
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	17	2.05
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	12	2.05
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	12	2.05
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	12	2.05
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	12	2.05
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	12	2.05
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	12	2.05
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	13	2.05
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	13	2.05
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	13	2.05
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	18	2.05
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	18	2.05
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	18	2.05
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	13	2.04
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	13	2.04
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	13	2.04
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	4	2.04
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	4	2.04
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	4	2.04
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	8	2.04
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	8	2.04
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	8	2.04
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	7	2.04
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	7	2.04
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	7	2.04
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	16	2.04
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	16	2.04
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	16	2.04
(1,1498)	1:110:A:LEU:HD21	1:111:A:LEU:HA	19	2.04
(1,1498)	1:110:A:LEU:HD22	1:111:A:LEU:HA	19	2.04
(1,1498)	1:110:A:LEU:HD23	1:111:A:LEU:HA	19	2.04
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	7	2.04
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	7	2.04
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	7	2.04
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	7	2.04
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	7	2.04
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	7	2.04
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	14	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	14	2.04
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	14	2.04
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	14	2.04
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	14	2.04
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	14	2.04
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	16	2.03
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	16	2.03
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	16	2.03
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	14	2.03
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	14	2.03
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	14	2.03
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	19	2.03
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	19	2.03
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	19	2.03
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	6	2.03
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	6	2.03
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	6	2.03
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	14	2.03
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	14	2.03
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	14	2.03
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	14	2.03
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	14	2.03
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	14	2.03
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	7	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	7	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	7	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	8	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	8	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	8	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	11	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	11	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	11	2.02
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	14	2.02
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	14	2.02
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	14	2.02
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	18	2.02
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	18	2.02
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	18	2.02
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	19	2.02
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	19	2.02
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	19	2.02
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	18	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	18	2.02
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	18	2.02
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	19	2.02
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	19	2.02
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	19	2.02
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	4	2.02
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	4	2.02
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	4	2.02
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	9	2.02
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	9	2.02
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	9	2.02
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	1	2.02
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	1	2.02
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	1	2.02
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	13	2.02
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	13	2.02
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	13	2.02
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	2	2.01
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	2	2.01
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	2	2.01
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	6	2.01
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	6	2.01
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	6	2.01
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	15	2.01
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	15	2.01
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	15	2.01
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	4	2.01
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	4	2.01
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	4	2.01
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	7	2.01
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	7	2.01
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	7	2.01
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	9	2.01
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	9	2.01
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	9	2.01
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	12	2.01
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	12	2.01
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	12	2.01
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	14	2.01
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	14	2.01
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	14	2.01
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	17	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	17	2.01
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	17	2.01
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	3	2.01
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	3	2.01
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	3	2.01
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	3	2.01
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	3	2.01
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	3	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	4	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	4	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	4	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	7	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	7	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	7	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	9	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	9	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	9	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	12	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	12	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	12	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	14	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	14	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	14	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	17	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	17	2.01
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	17	2.01
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	11	2.01
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	11	2.01
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	11	2.01
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	20	2.0
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	20	2.0
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	20	2.0
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	20	2.0
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	20	2.0
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	20	2.0
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	20	2.0
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	20	2.0
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	20	2.0
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	16	2.0
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	16	2.0
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	16	2.0
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	6	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	6	2.0
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	6	2.0
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	8	2.0
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	8	2.0
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	8	2.0
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	16	2.0
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	16	2.0
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	16	2.0
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	2	2.0
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	2	2.0
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	2	2.0
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	2	2.0
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	2	2.0
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	2	2.0
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	10	2.0
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	10	2.0
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	10	2.0
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	10	2.0
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	10	2.0
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	10	2.0
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	8	2.0
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	8	2.0
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	8	2.0
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	16	2.0
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	16	2.0
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	16	2.0
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	20	2.0
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	20	2.0
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	20	2.0
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	5	1.99
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	5	1.99
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	5	1.99
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	6	1.99
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	6	1.99
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	6	1.99
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	10	1.99
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	10	1.99
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	10	1.99
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	1	1.99
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	1	1.99
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	1	1.99
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	2	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	2	1.99
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	2	1.99
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	6	1.99
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	6	1.99
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	6	1.99
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	10	1.99
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	10	1.99
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	10	1.99
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	13	1.99
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	13	1.99
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	13	1.99
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	15	1.99
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	15	1.99
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	15	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	1	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	1	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	1	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	2	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	2	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	2	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	6	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	6	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	6	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	10	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	10	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	10	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	13	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	13	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	13	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	15	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	15	1.99
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	15	1.99
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	8	1.99
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	8	1.99
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	8	1.99
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	1	1.99
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	1	1.99
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	1	1.99
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	11	1.99
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	11	1.99
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	11	1.99
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	3	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	3	1.99
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	3	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	15	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	15	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	15	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	16	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	16	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	16	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	20	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	20	1.99
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	20	1.99
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	10	1.98
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	10	1.98
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	10	1.98
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	20	1.98
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	20	1.98
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	20	1.98
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	11	1.98
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	11	1.98
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	11	1.98
(1,1442)	1:35:A:VAL:HG11	1:34:A:THR:HA	20	1.98
(1,1442)	1:35:A:VAL:HG12	1:34:A:THR:HA	20	1.98
(1,1442)	1:35:A:VAL:HG13	1:34:A:THR:HA	20	1.98
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	11	1.98
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	11	1.98
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	11	1.98
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG11	20	1.98
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG12	20	1.98
(1,961)	1:34:A:THR:HA	1:35:A:VAL:HG13	20	1.98
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	13	1.98
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	13	1.98
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	13	1.98
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	7	1.98
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	7	1.98
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	7	1.98
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	7	1.98
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	7	1.98
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	7	1.98
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	12	1.98
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	12	1.98
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	12	1.98
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	12	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	12	1.98
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	12	1.98
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	18	1.98
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	18	1.98
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	18	1.98
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	2	1.98
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	2	1.98
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	2	1.98
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	2	1.98
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	2	1.98
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	2	1.98
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	10	1.97
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	10	1.97
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	10	1.97
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	10	1.97
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	10	1.97
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	10	1.97
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	10	1.97
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	10	1.97
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	10	1.97
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	14	1.97
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	14	1.97
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	14	1.97
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	19	1.97
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	19	1.97
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	19	1.97
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	19	1.97
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	19	1.97
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	19	1.97
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	3	1.97
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	3	1.97
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	3	1.97
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	14	1.97
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	14	1.97
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	14	1.97
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	4	1.97
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	4	1.97
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	4	1.97
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	4	1.97
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	4	1.97
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	4	1.97
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	17	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	17	1.97
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	17	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	7	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	7	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	7	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	8	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	8	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	8	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	19	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	19	1.97
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	19	1.97
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	11	1.97
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	11	1.97
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	11	1.97
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	11	1.97
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	11	1.97
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	11	1.97
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	12	1.97
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	12	1.97
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	12	1.97
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	12	1.97
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	12	1.97
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	12	1.97
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	1	1.96
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	1	1.96
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	1	1.96
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	2	1.96
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	2	1.96
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	2	1.96
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	4	1.96
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	4	1.96
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	4	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	2	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	2	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	2	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	4	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	4	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	4	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	5	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	5	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	5	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	17	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	17	1.96
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	17	1.96
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	16	1.96
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	16	1.96
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	16	1.96
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	16	1.96
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	16	1.96
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	16	1.96
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	18	1.96
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	18	1.96
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	18	1.96
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	18	1.96
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	18	1.96
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	18	1.96
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	9	1.96
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	9	1.96
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	9	1.96
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	17	1.96
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	17	1.96
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	17	1.96
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	7	1.96
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	7	1.96
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	7	1.96
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	2	1.96
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	2	1.96
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	2	1.96
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	6	1.96
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	6	1.96
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	6	1.96
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	6	1.95
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	6	1.95
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	6	1.95
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	2	1.95
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	2	1.95
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	2	1.95
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	17	1.95
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	17	1.95
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	17	1.95
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	20	1.95
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	20	1.95
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	20	1.95
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	17	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	17	1.95
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	17	1.95
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	17	1.95
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	17	1.95
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	17	1.95
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	17	1.95
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	17	1.95
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	17	1.95
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	4	1.95
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	4	1.95
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	4	1.95
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	4	1.95
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	4	1.95
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	4	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	8	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	8	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	8	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	9	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	9	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	9	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	11	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	11	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	11	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	12	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	12	1.95
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	12	1.95
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	6	1.95
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	6	1.95
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	6	1.95
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	19	1.95
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	19	1.95
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	19	1.95
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	9	1.95
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	9	1.95
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	9	1.95
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	9	1.95
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	9	1.95
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	9	1.95
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	17	1.95
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	17	1.95
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	17	1.95
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	6	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	6	1.94
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	6	1.94
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	8	1.94
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	8	1.94
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	8	1.94
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	5	1.94
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	5	1.94
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	5	1.94
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	9	1.94
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	9	1.94
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	9	1.94
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	15	1.94
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	15	1.94
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	15	1.94
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	17	1.94
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	17	1.94
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	17	1.94
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	20	1.94
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	20	1.94
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	20	1.94
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	20	1.94
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	20	1.94
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	20	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	6	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	6	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	6	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	7	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	7	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	7	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	16	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	16	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	16	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	18	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	18	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	18	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	19	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	19	1.94
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	19	1.94
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	3	1.94
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	3	1.94
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	3	1.94
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	3	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	3	1.94
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	3	1.94
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	13	1.94
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	13	1.94
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	13	1.94
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	2	1.94
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	2	1.94
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	2	1.94
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	10	1.94
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	10	1.94
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	10	1.94
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	13	1.94
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	13	1.94
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	13	1.94
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	20	1.94
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	20	1.94
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	20	1.94
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	10	1.94
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	10	1.94
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	10	1.94
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	13	1.93
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	13	1.93
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	13	1.93
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	10	1.93
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	10	1.93
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	10	1.93
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	14	1.93
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	14	1.93
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	14	1.93
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	15	1.93
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	15	1.93
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	15	1.93
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	10	1.93
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	10	1.93
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	10	1.93
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	15	1.93
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	15	1.93
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	15	1.93
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	1	1.93
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	1	1.93
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	1	1.93
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	7	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	7	1.93
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	7	1.93
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	11	1.93
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	11	1.93
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	11	1.93
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	5	1.93
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	5	1.93
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	5	1.93
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	5	1.93
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	5	1.93
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	5	1.93
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	1	1.93
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	1	1.93
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	1	1.93
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	10	1.93
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	10	1.93
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	10	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	6	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	6	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	6	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	6	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	6	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	6	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	13	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	13	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	13	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	13	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	13	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	13	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	16	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	16	1.93
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	16	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	16	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	16	1.93
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	16	1.93
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	10	1.93
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	10	1.93
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	10	1.93
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	8	1.93
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	8	1.93
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	8	1.93
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	3	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	3	1.93
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	3	1.93
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	3	1.93
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	3	1.93
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	3	1.93
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	7	1.93
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	7	1.93
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	7	1.93
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	7	1.93
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	7	1.93
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	7	1.93
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	13	1.93
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	13	1.93
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	13	1.93
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	13	1.93
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	13	1.93
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	13	1.93
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	4	1.92
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	4	1.92
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	4	1.92
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	5	1.92
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	5	1.92
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	5	1.92
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	14	1.92
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	14	1.92
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	14	1.92
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	14	1.92
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	14	1.92
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	14	1.92
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	19	1.92
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	19	1.92
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	19	1.92
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	19	1.92
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	19	1.92
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	19	1.92
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	2	1.92
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	2	1.92
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	2	1.92
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	14	1.92
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	14	1.92
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	14	1.92
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	14	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	14	1.92
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	14	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	6	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	6	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	6	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	8	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	8	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	8	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	12	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	12	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	12	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	17	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	17	1.92
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	17	1.92
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	4	1.92
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	4	1.92
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	4	1.92
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	3	1.91
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	3	1.91
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	3	1.91
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	12	1.91
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	12	1.91
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	12	1.91
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	14	1.91
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	14	1.91
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	14	1.91
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	16	1.91
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	16	1.91
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	16	1.91
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	12	1.91
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	12	1.91
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	12	1.91
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	7	1.91
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	7	1.91
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	7	1.91
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	7	1.91
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	7	1.91
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	7	1.91
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	6	1.91
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	6	1.91
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	6	1.91
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	13	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	13	1.91
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	13	1.91
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	20	1.91
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	20	1.91
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	20	1.91
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	12	1.91
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	12	1.91
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	12	1.91
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	12	1.91
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	12	1.91
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	12	1.91
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	19	1.91
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	19	1.91
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	19	1.91
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	19	1.91
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	19	1.91
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	19	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	16	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	16	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	16	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	18	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	18	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	18	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	20	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	20	1.91
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	20	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	4	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	4	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	4	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	13	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	13	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	13	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	19	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	19	1.91
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	19	1.91
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	14	1.91
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	14	1.91
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	14	1.91
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	4	1.91
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	4	1.91
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	4	1.91
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	4	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	4	1.91
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	4	1.91
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	16	1.9
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	16	1.9
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	16	1.9
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	18	1.9
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	18	1.9
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	18	1.9
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	9	1.9
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	9	1.9
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	9	1.9
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	9	1.9
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	9	1.9
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	9	1.9
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	9	1.9
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	9	1.9
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	9	1.9
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	9	1.9
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	9	1.9
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	9	1.9
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	17	1.9
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	17	1.9
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	17	1.9
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	17	1.9
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	17	1.9
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	17	1.9
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	17	1.9
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	17	1.9
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	17	1.9
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	17	1.9
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	17	1.9
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	17	1.9
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	1	1.9
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	1	1.9
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	1	1.9
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	1	1.9
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	1	1.9
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	1	1.9
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	15	1.9
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	15	1.9
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	15	1.9
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	15	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	15	1.9
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	15	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	4	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	4	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	4	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	12	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	12	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	12	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	20	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	20	1.9
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	20	1.9
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD21	15	1.9
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD22	15	1.9
(1,925)	1:42:A:SER:HA	1:45:A:LEU:HD23	15	1.9
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	1	1.9
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	1	1.9
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	1	1.9
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	10	1.9
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	10	1.9
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	10	1.9
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	10	1.9
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	10	1.9
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	10	1.9
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	19	1.9
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	19	1.9
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	19	1.9
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	19	1.9
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	19	1.9
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	19	1.9
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	18	1.89
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	18	1.89
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	18	1.89
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	19	1.89
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	19	1.89
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	19	1.89
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	4	1.89
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	4	1.89
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	4	1.89
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	4	1.89
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	4	1.89
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	4	1.89
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	4	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	4	1.89
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	4	1.89
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	4	1.89
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	4	1.89
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	4	1.89
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	12	1.89
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	12	1.89
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	12	1.89
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	12	1.89
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	12	1.89
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	12	1.89
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	12	1.89
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	12	1.89
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	12	1.89
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	12	1.89
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	12	1.89
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	12	1.89
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	11	1.89
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	11	1.89
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	11	1.89
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	11	1.89
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	11	1.89
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	11	1.89
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	14	1.89
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	14	1.89
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	14	1.89
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG11	17	1.89
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG12	17	1.89
(1,1023)	1:61:A:GLN:HA	1:98:A:VAL:HG13	17	1.89
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	15	1.89
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	15	1.89
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	15	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	15	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	15	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	15	1.89
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	18	1.89
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	18	1.89
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	18	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	18	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	18	1.89
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	18	1.89
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	5	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	5	1.89
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	5	1.89
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	20	1.89
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	20	1.89
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	20	1.89
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	20	1.89
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	20	1.89
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	20	1.89
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	7	1.88
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	7	1.88
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	7	1.88
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	18	1.88
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	18	1.88
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	18	1.88
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	18	1.88
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	18	1.88
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	18	1.88
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	18	1.88
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	18	1.88
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	18	1.88
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	18	1.88
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	18	1.88
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	18	1.88
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	6	1.88
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	6	1.88
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	6	1.88
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	13	1.88
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	13	1.88
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	13	1.88
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	18	1.88
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	18	1.88
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	18	1.88
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	8	1.88
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	8	1.88
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	8	1.88
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	8	1.88
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	8	1.88
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	8	1.88
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	18	1.88
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	18	1.88
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	18	1.88
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	18	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	18	1.88
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	18	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	1	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	1	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	1	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	8	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	8	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	8	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	11	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	11	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	11	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	16	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	16	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	16	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	19	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	19	1.88
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	19	1.88
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	9	1.88
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	9	1.88
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	9	1.88
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	9	1.88
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	9	1.88
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	9	1.88
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	10	1.88
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	10	1.88
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	10	1.88
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	10	1.88
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	10	1.88
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	10	1.88
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	12	1.88
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	12	1.88
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	12	1.88
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	2	1.88
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	2	1.88
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	2	1.88
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	7	1.87
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	7	1.87
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	7	1.87
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	9	1.87
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	9	1.87
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	9	1.87
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	16	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	16	1.87
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	16	1.87
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	16	1.87
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	16	1.87
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	16	1.87
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	16	1.87
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	16	1.87
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	16	1.87
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	16	1.87
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	16	1.87
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	16	1.87
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	18	1.87
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	18	1.87
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	18	1.87
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	14	1.87
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	14	1.87
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	14	1.87
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	15	1.87
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	15	1.87
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	15	1.87
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	15	1.87
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	15	1.87
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	15	1.87
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	1	1.87
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	1	1.87
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	1	1.87
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	1	1.87
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	1	1.87
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	1	1.87
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	1	1.87
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	1	1.87
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	1	1.87
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	13	1.86
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	13	1.86
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	13	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	6	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	6	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	6	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	6	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	6	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	6	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	6	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	6	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	6	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	6	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	6	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	6	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	7	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	7	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	7	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	7	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	7	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	7	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	7	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	7	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	7	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	7	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	7	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	7	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	8	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	8	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	8	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	8	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	8	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	8	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	8	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	8	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	8	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	8	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	8	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	8	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	11	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	11	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	11	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	11	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	11	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	11	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	11	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	11	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	11	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	11	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	11	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	11	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	14	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	14	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	14	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	14	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	14	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	14	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	14	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	14	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	14	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	14	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	14	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	14	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	15	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	15	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	15	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	15	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	15	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	15	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	15	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	15	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	15	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	15	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	15	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	15	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	19	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	19	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	19	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	19	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	19	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	19	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	19	1.86
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	19	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	19	1.86
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	19	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	19	1.86
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	19	1.86
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	2	1.86
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	2	1.86
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	2	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	6	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	6	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	6	1.86
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	6	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	6	1.86
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	6	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	9	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	9	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	9	1.86
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	9	1.86
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	9	1.86
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	9	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	17	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	17	1.86
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	17	1.86
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	17	1.86
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	17	1.86
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	17	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	2	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	2	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	2	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	9	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	9	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	9	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	10	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	10	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	10	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	15	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	15	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	15	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	17	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	17	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	17	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	18	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	18	1.86
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	18	1.86
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	14	1.86
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	14	1.86
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	14	1.86
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	8	1.86
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	8	1.86
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	8	1.86
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	8	1.86
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	8	1.86
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	8	1.86
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	15	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	15	1.86
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	15	1.86
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	15	1.86
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	15	1.86
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	15	1.86
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	20	1.86
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	20	1.86
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	20	1.86
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	20	1.86
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	20	1.86
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	20	1.86
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	17	1.85
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	17	1.85
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	17	1.85
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	11	1.85
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	11	1.85
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	11	1.85
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	17	1.85
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	17	1.85
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	17	1.85
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	12	1.85
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	12	1.85
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	12	1.85
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	12	1.85
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	12	1.85
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	12	1.85
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	18	1.85
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	18	1.85
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	18	1.85
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	18	1.85
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	18	1.85
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	18	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	1	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	1	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	1	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	1	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	1	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	1	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	1	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	1	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	1	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	1	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	1	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	1	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	2	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	2	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	2	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	2	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	2	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	2	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	2	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	2	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	2	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	2	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	2	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	2	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	10	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	10	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	10	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	10	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	10	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	10	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	10	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	10	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	10	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	10	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	10	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	10	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	13	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	13	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	13	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	13	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	13	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	13	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	13	1.85
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	13	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	13	1.85
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	13	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	13	1.85
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	13	1.85
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	3	1.85
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	3	1.85
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	3	1.85
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	16	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	16	1.85
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	16	1.85
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	16	1.85
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	16	1.85
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	16	1.85
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	2	1.85
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	2	1.85
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	2	1.85
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	2	1.85
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	2	1.85
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	2	1.85
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	4	1.85
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	4	1.85
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	4	1.85
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	4	1.85
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	4	1.85
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	4	1.85
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	20	1.85
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	20	1.85
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	20	1.85
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	5	1.85
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	5	1.85
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	5	1.85
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	5	1.85
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	5	1.85
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	5	1.85
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	6	1.85
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	6	1.85
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	6	1.85
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	16	1.85
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	16	1.85
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	16	1.85
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	16	1.85
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	16	1.85
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	16	1.85
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	5	1.84
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	5	1.84
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	5	1.84
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	5	1.84
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	5	1.84
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	5	1.84
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	20	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	20	1.84
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	20	1.84
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	20	1.84
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	20	1.84
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	20	1.84
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG2	20	1.84
(1,2194)	1:35:A:VAL:HG11	1:23:A:GLU:HG3	20	1.84
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG2	20	1.84
(1,2194)	1:35:A:VAL:HG12	1:23:A:GLU:HG3	20	1.84
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG2	20	1.84
(1,2194)	1:35:A:VAL:HG13	1:23:A:GLU:HG3	20	1.84
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	5	1.84
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	5	1.84
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	5	1.84
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	17	1.84
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	17	1.84
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	17	1.84
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	17	1.84
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	17	1.84
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	17	1.84
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	1	1.84
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	1	1.84
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	1	1.84
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	15	1.84
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	15	1.84
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	15	1.84
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	4	1.83
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	4	1.83
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	4	1.83
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	4	1.83
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	4	1.83
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	4	1.83
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	5	1.83
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	5	1.83
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	5	1.83
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	5	1.83
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	5	1.83
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	5	1.83
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	7	1.83
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	7	1.83
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	7	1.83
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	2	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	2	1.83
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	2	1.83
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	15	1.83
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	15	1.83
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	15	1.83
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	19	1.83
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	19	1.83
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	19	1.83
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	13	1.83
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	13	1.83
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	13	1.83
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	9	1.82
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	9	1.82
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	9	1.82
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	9	1.82
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	9	1.82
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	9	1.82
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	9	1.82
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	9	1.82
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	9	1.82
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	11	1.82
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	11	1.82
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	11	1.82
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	11	1.82
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	11	1.82
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	11	1.82
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	8	1.82
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	8	1.82
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	8	1.82
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	20	1.82
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	20	1.82
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	20	1.82
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	20	1.82
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	20	1.82
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	20	1.82
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	9	1.82
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	9	1.82
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	9	1.82
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG21	19	1.82
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG22	19	1.82
(1,606)	1:144:A:TRP:HD1	1:119:A:VAL:HG23	19	1.82
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	3	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	3	1.82
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	3	1.82
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	9	1.82
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	9	1.82
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	9	1.82
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	20	1.82
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	20	1.82
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	20	1.82
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	5	1.82
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	5	1.82
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	5	1.82
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	5	1.82
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	5	1.82
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	5	1.82
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	8	1.82
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	8	1.82
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	8	1.82
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	8	1.82
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	8	1.82
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	8	1.82
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	8	1.81
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	8	1.81
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	8	1.81
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	8	1.81
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	8	1.81
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	8	1.81
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	8	1.81
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	8	1.81
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	8	1.81
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	8	1.81
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	8	1.81
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	8	1.81
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	8	1.81
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	8	1.81
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	8	1.81
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	13	1.81
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	13	1.81
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	13	1.81
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	13	1.81
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	13	1.81
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	13	1.81
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	16	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	16	1.81
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	16	1.81
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD11	3	1.81
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD12	3	1.81
(1,1161)	1:6:A:ILE:HB	1:53:A:LEU:HD13	3	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	5	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	5	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	5	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	8	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	8	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	8	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	14	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	14	1.81
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	14	1.81
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	7	1.8
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	7	1.8
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	7	1.8
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	9	1.8
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	9	1.8
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	9	1.8
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	7	1.8
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	7	1.8
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	7	1.8
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	9	1.8
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	9	1.8
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	9	1.8
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	4	1.8
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	4	1.8
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	4	1.8
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	4	1.8
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	4	1.8
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	4	1.8
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	20	1.8
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	20	1.8
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	20	1.8
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	4	1.8
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	4	1.8
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	4	1.8
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	4	1.8
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	4	1.8
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	4	1.8
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	11	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	11	1.8
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	11	1.8
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	12	1.8
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	12	1.8
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	12	1.8
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	19	1.8
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	19	1.8
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	19	1.8
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	12	1.8
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	12	1.8
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	12	1.8
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	8	1.79
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	8	1.79
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	8	1.79
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	9	1.79
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	9	1.79
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	9	1.79
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	7	1.79
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	7	1.79
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	7	1.79
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	7	1.79
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	7	1.79
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	7	1.79
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	7	1.79
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	7	1.79
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	7	1.79
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	11	1.79
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	11	1.79
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	11	1.79
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	11	1.79
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	11	1.79
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	11	1.79
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	5	1.79
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	5	1.79
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	5	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	4	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	4	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	4	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	13	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	13	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	13	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	14	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	14	1.79
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	14	1.79
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	11	1.79
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	11	1.79
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	11	1.79
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	11	1.79
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	11	1.79
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	11	1.79
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	9	1.79
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	9	1.79
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	9	1.79
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	12	1.78
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	12	1.78
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	12	1.78
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	12	1.78
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	12	1.78
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	12	1.78
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	7	1.78
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	7	1.78
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	7	1.78
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	7	1.78
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	7	1.78
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	7	1.78
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	15	1.78
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	15	1.78
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	15	1.78
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	15	1.78
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	15	1.78
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	15	1.78
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	9	1.78
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	9	1.78
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	9	1.78
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	9	1.78
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	9	1.78
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	9	1.78
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	7	1.78
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	7	1.78
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	7	1.78
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	7	1.78
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	7	1.78
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	7	1.78
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	15	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	15	1.78
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	15	1.78
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	15	1.78
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	15	1.78
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	15	1.78
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	5	1.78
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	5	1.78
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	5	1.78
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	5	1.78
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	5	1.78
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	5	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	1	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	1	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	1	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	2	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	2	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	2	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	3	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	3	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	3	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	5	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	5	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	5	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	11	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	11	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	11	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	16	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	16	1.78
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	16	1.78
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	2	1.78
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	2	1.78
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	2	1.78
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	17	1.78
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	17	1.78
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	17	1.78
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	6	1.78
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	6	1.78
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	6	1.78
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	16	1.77
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	16	1.77
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	16	1.77
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	4	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	4	1.77
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	4	1.77
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	4	1.77
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	4	1.77
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	4	1.77
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	6	1.77
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	6	1.77
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	6	1.77
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	6	1.77
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	6	1.77
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	6	1.77
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	18	1.77
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	18	1.77
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	18	1.77
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	18	1.77
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	18	1.77
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	18	1.77
(1,1523)	1:119:A:VAL:HG11	1:118:A:ARG:HA	20	1.77
(1,1523)	1:119:A:VAL:HG12	1:118:A:ARG:HA	20	1.77
(1,1523)	1:119:A:VAL:HG13	1:118:A:ARG:HA	20	1.77
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	6	1.77
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	6	1.77
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	6	1.77
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	6	1.77
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	6	1.77
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	6	1.77
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	6	1.77
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	6	1.77
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	6	1.77
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	15	1.77
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	15	1.77
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	15	1.77
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	3	1.77
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	3	1.77
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	3	1.77
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	7	1.77
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	7	1.77
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	7	1.77
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	4	1.77
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	4	1.77
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	4	1.77
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	14	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	14	1.77
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	14	1.77
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	3	1.76
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	3	1.76
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	3	1.76
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	12	1.76
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	12	1.76
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	12	1.76
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	14	1.76
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	14	1.76
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	14	1.76
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	14	1.76
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	14	1.76
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	14	1.76
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	2	1.76
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	2	1.76
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	2	1.76
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	2	1.76
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	2	1.76
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	2	1.76
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	14	1.76
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	14	1.76
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	14	1.76
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	14	1.76
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	14	1.76
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	14	1.76
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	2	1.76
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	2	1.76
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	2	1.76
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	2	1.76
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	2	1.76
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	2	1.76
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD21	8	1.76
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD22	8	1.76
(1,611)	1:87:A:TYR:HD1	1:53:A:LEU:HD23	8	1.76
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD21	8	1.76
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD22	8	1.76
(1,611)	1:87:A:TYR:HD2	1:53:A:LEU:HD23	8	1.76
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	7	1.76
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	7	1.76
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	7	1.76
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	9	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	9	1.76
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	9	1.76
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	18	1.76
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	18	1.76
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	18	1.76
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	15	1.76
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	15	1.76
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	15	1.76
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	10	1.76
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	10	1.76
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	10	1.76
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	10	1.76
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	10	1.76
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	10	1.76
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	1	1.75
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	1	1.75
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	1	1.75
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	13	1.75
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	13	1.75
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	13	1.75
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	1	1.75
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	1	1.75
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	1	1.75
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	13	1.75
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	13	1.75
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	13	1.75
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	15	1.75
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	15	1.75
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	15	1.75
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	15	1.75
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	15	1.75
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	15	1.75
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	7	1.75
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	7	1.75
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	7	1.75
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	20	1.75
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	20	1.75
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	20	1.75
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	19	1.75
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	19	1.75
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	19	1.75
(1,3050)	1:141:A:VAL:HG11	1:137:A:SER:HA	4	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3050)	1:141:A:VAL:HG12	1:137:A:SER:HA	4	1.74
(1,3050)	1:141:A:VAL:HG13	1:137:A:SER:HA	4	1.74
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	11	1.74
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	11	1.74
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	11	1.74
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	11	1.74
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	11	1.74
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	11	1.74
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	19	1.74
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	19	1.74
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	19	1.74
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	19	1.74
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	19	1.74
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	19	1.74
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	16	1.74
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	16	1.74
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	16	1.74
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	16	1.74
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	16	1.74
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	16	1.74
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	2	1.74
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	2	1.74
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	2	1.74
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	5	1.74
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	5	1.74
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	5	1.74
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	12	1.74
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	12	1.74
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	12	1.74
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	12	1.74
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	12	1.74
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	12	1.74
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	19	1.74
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	19	1.74
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	19	1.74
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	19	1.74
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	19	1.74
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	19	1.74
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	11	1.74
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	11	1.74
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	11	1.74
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	11	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	11	1.74
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	11	1.74
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	19	1.74
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	19	1.74
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	19	1.74
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	19	1.74
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	19	1.74
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	19	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	8	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	8	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	8	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	10	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	10	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	10	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD21	17	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD22	17	1.74
(1,609)	1:54:A:VAL:H	1:53:A:LEU:HD23	17	1.74
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	10	1.74
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	10	1.74
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	10	1.74
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	3	1.74
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	3	1.74
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	3	1.74
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	3	1.74
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	3	1.74
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	3	1.74
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	15	1.74
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	15	1.74
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	15	1.74
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	15	1.74
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	15	1.74
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	15	1.74
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	10	1.73
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	10	1.73
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	10	1.73
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	4	1.73
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	4	1.73
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	4	1.73
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	10	1.73
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	10	1.73
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	10	1.73
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	10	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	10	1.73
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	10	1.73
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	10	1.73
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	10	1.73
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	10	1.73
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	5	1.73
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	5	1.73
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	5	1.73
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	5	1.73
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	5	1.73
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	5	1.73
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	17	1.73
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	17	1.73
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	17	1.73
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD11	13	1.73
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD12	13	1.73
(1,1302)	1:79:A:LEU:HB2	1:111:A:LEU:HD13	13	1.73
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD11	13	1.73
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD12	13	1.73
(1,1302)	1:79:A:LEU:HB3	1:111:A:LEU:HD13	13	1.73
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	5	1.73
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	5	1.73
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	5	1.73
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	5	1.73
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	5	1.73
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	5	1.73
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	16	1.73
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	16	1.73
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	16	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	6	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	6	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	6	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	16	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	16	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	16	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	18	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	18	1.73
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	18	1.73
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	1	1.73
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	1	1.73
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	1	1.73
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	1	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	1	1.73
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	1	1.73
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	17	1.73
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	17	1.73
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	17	1.73
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	17	1.73
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	17	1.73
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	17	1.73
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	19	1.73
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	19	1.73
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	19	1.73
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	19	1.73
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	19	1.73
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	19	1.73
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	4	1.72
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	4	1.72
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	4	1.72
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	4	1.72
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	4	1.72
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	4	1.72
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	2	1.72
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	2	1.72
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	2	1.72
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	2	1.72
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	2	1.72
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	2	1.72
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	8	1.72
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	8	1.72
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	8	1.72
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	8	1.72
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	8	1.72
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	8	1.72
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	9	1.72
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	9	1.72
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	9	1.72
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	9	1.72
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	9	1.72
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	9	1.72
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	18	1.72
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	18	1.72
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	18	1.72
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	11	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	11	1.72
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	11	1.72
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	15	1.72
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	15	1.72
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	15	1.72
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	17	1.72
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	17	1.72
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	17	1.72
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	17	1.72
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	17	1.72
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	17	1.72
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	14	1.71
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	14	1.71
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	14	1.71
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	14	1.71
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	14	1.71
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	14	1.71
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	3	1.71
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	3	1.71
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	3	1.71
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	3	1.71
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	3	1.71
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	3	1.71
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	3	1.71
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	3	1.71
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	3	1.71
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	3	1.71
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	3	1.71
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	3	1.71
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	7	1.71
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	7	1.71
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	7	1.71
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	7	1.71
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	7	1.71
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	7	1.71
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	9	1.71
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	9	1.71
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	9	1.71
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	9	1.71
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	9	1.71
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	9	1.71
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	5	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	5	1.7
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	5	1.7
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	19	1.7
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	19	1.7
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	19	1.7
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	5	1.7
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	5	1.7
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	5	1.7
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	19	1.7
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	19	1.7
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	19	1.7
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	3	1.7
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	3	1.7
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	3	1.7
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	3	1.7
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	3	1.7
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	3	1.7
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	20	1.7
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	20	1.7
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	20	1.7
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	20	1.7
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	20	1.7
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	20	1.7
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	9	1.7
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	9	1.7
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	9	1.7
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	9	1.7
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	9	1.7
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	9	1.7
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	1	1.7
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	1	1.7
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	1	1.7
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	13	1.7
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	13	1.7
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	13	1.7
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	3	1.7
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	3	1.7
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	3	1.7
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	3	1.7
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	3	1.7
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	3	1.7
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	3	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	3	1.7
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	3	1.7
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	14	1.7
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	14	1.7
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	14	1.7
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	3	1.7
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	3	1.7
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	3	1.7
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	3	1.7
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	3	1.7
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	3	1.7
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	19	1.7
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	19	1.7
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	19	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	4	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	4	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	4	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	4	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	4	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	4	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	14	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	14	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	14	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	14	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	14	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	14	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	18	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	18	1.7
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	18	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	18	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	18	1.7
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	18	1.7
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	6	1.7
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	6	1.7
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	6	1.7
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	6	1.7
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	6	1.7
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	6	1.7
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	3	1.69
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	3	1.69
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	3	1.69
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	6	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	6	1.69
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	6	1.69
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	20	1.69
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	20	1.69
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	20	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	3	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	3	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	3	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	6	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	6	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	6	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	20	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	20	1.69
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	20	1.69
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	14	1.69
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	14	1.69
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	14	1.69
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	14	1.69
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	14	1.69
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	14	1.69
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	6	1.69
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	6	1.69
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	6	1.69
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	6	1.69
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	6	1.69
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	6	1.69
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	14	1.69
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	14	1.69
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	14	1.69
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	14	1.69
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	14	1.69
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	14	1.69
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	2	1.69
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	2	1.69
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	2	1.69
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	2	1.69
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	2	1.69
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	2	1.69
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	18	1.68
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	18	1.68
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	18	1.68
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	18	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	18	1.68
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	18	1.68
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	14	1.68
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	14	1.68
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	14	1.68
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	14	1.68
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	14	1.68
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	14	1.68
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	1	1.68
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	1	1.68
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	1	1.68
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	1	1.68
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	1	1.68
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	1	1.68
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	19	1.68
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	19	1.68
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	19	1.68
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	19	1.68
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	19	1.68
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	19	1.68
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	7	1.68
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	7	1.68
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	7	1.68
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	7	1.68
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	7	1.68
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	7	1.68
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	11	1.68
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	11	1.68
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	11	1.68
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	11	1.68
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	11	1.68
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	11	1.68
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	13	1.68
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	13	1.68
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	13	1.68
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD21	3	1.68
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD22	3	1.68
(1,610)	1:89:A:VAL:H	1:53:A:LEU:HD23	3	1.68
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG21	5	1.68
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG22	5	1.68
(1,603)	1:147:A:LEU:H	1:119:A:VAL:HG23	5	1.68
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	1	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	1	1.68
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	1	1.68
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	1	1.68
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	1	1.68
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	1	1.68
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	3	1.67
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	3	1.67
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	3	1.67
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	18	1.67
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	18	1.67
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	18	1.67
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	3	1.67
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	3	1.67
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	3	1.67
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	3	1.67
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	3	1.67
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	3	1.67
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	3	1.67
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	3	1.67
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	3	1.67
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	6	1.67
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	6	1.67
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	6	1.67
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	6	1.67
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	6	1.67
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	6	1.67
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	16	1.67
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	16	1.67
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	16	1.67
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	16	1.67
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	16	1.67
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	16	1.67
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	1	1.66
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	1	1.66
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	1	1.66
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	11	1.66
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	11	1.66
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	11	1.66
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	15	1.66
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	15	1.66
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	15	1.66
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	1	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	1	1.66
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	1	1.66
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	3	1.66
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	3	1.66
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	3	1.66
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	9	1.66
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	9	1.66
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	9	1.66
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	7	1.65
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	7	1.65
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	7	1.65
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	8	1.65
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	8	1.65
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	8	1.65
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	9	1.65
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	9	1.65
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	9	1.65
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	12	1.65
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	12	1.65
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	12	1.65
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	13	1.65
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	13	1.65
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	13	1.65
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	19	1.65
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	19	1.65
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	19	1.65
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	16	1.65
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	16	1.65
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	16	1.65
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	16	1.65
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	16	1.65
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	16	1.65
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	10	1.65
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	10	1.65
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	10	1.65
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	10	1.65
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	10	1.65
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	10	1.65
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	1	1.65
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	1	1.65
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	1	1.65
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	1	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	1	1.65
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	1	1.65
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	13	1.65
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	13	1.65
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	13	1.65
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	3	1.65
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	3	1.65
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	3	1.65
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	10	1.65
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	10	1.65
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	10	1.65
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	10	1.65
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	10	1.65
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	10	1.65
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	9	1.65
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	9	1.65
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	9	1.65
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	2	1.64
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	2	1.64
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	2	1.64
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	11	1.64
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	11	1.64
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	11	1.64
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	1	1.64
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	1	1.64
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	1	1.64
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	2	1.64
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	2	1.64
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	2	1.64
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	17	1.64
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	17	1.64
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	17	1.64
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	2	1.64
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	2	1.64
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	2	1.64
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	11	1.64
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	11	1.64
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	11	1.64
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	15	1.64
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	15	1.64
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	15	1.64
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	15	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	15	1.64
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	15	1.64
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	8	1.64
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	8	1.64
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	8	1.64
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	8	1.64
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	8	1.64
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	8	1.64
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	18	1.64
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	18	1.64
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	18	1.64
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	18	1.64
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	18	1.64
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	18	1.64
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	16	1.64
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	16	1.64
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	16	1.64
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	17	1.64
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	17	1.64
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	17	1.64
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	2	1.64
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	2	1.64
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	2	1.64
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	2	1.64
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	2	1.64
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	2	1.64
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	8	1.64
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	8	1.64
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	8	1.64
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	8	1.64
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	8	1.64
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	8	1.64
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	18	1.64
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	18	1.64
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	18	1.64
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	18	1.64
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	18	1.64
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	18	1.64
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	12	1.64
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	12	1.64
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	12	1.64
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	17	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	17	1.64
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	17	1.64
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	13	1.63
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	13	1.63
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	13	1.63
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	12	1.63
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	12	1.63
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	12	1.63
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	12	1.63
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	12	1.63
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	12	1.63
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	13	1.63
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	13	1.63
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	13	1.63
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	13	1.63
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	13	1.63
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	13	1.63
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	17	1.63
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	17	1.63
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	17	1.63
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	17	1.63
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	17	1.63
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	17	1.63
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	4	1.63
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	4	1.63
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	4	1.63
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	5	1.63
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	5	1.63
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	5	1.63
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	7	1.63
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	7	1.63
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	7	1.63
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	16	1.63
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	16	1.63
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	16	1.63
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	2	1.63
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	2	1.63
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	2	1.63
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE1	9	1.63
(1,25)	1:148:A:LEU:HD21	1:51:A:TYR:HE2	9	1.63
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE1	9	1.63
(1,25)	1:148:A:LEU:HD22	1:51:A:TYR:HE2	9	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE1	9	1.63
(1,25)	1:148:A:LEU:HD23	1:51:A:TYR:HE2	9	1.63
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	10	1.62
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	10	1.62
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	10	1.62
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	15	1.62
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	15	1.62
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	15	1.62
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	18	1.62
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	18	1.62
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	18	1.62
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	19	1.62
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	19	1.62
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	19	1.62
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	3	1.62
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	3	1.62
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	3	1.62
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	8	1.62
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	8	1.62
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	8	1.62
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	8	1.62
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	8	1.62
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	8	1.62
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	3	1.62
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	3	1.62
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	3	1.62
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	1	1.62
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	1	1.62
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	1	1.62
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	1	1.62
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	1	1.62
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	1	1.62
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	4	1.62
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	4	1.62
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	4	1.62
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	4	1.62
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	4	1.62
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	4	1.62
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	20	1.61
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	20	1.61
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	20	1.61
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	12	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	12	1.61
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	12	1.61
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	16	1.61
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	16	1.61
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	16	1.61
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	16	1.61
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	16	1.61
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	16	1.61
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	2	1.61
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	2	1.61
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	2	1.61
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	2	1.61
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	2	1.61
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	2	1.61
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	3	1.61
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	3	1.61
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	3	1.61
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	3	1.61
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	3	1.61
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	3	1.61
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	5	1.61
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	5	1.61
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	5	1.61
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	5	1.61
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	5	1.61
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	5	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	8	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	8	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	8	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	8	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	8	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	8	1.61
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	8	1.61
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	8	1.61
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	8	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	12	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	12	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	12	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	12	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	12	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	12	1.61
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	12	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	12	1.61
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	12	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	20	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	20	1.61
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	20	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	20	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	20	1.61
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	20	1.61
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	20	1.61
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	20	1.61
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	20	1.61
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	12	1.61
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	12	1.61
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	12	1.61
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	20	1.61
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	20	1.61
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	20	1.61
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	16	1.61
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	16	1.61
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	16	1.61
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	16	1.61
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	16	1.61
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	16	1.61
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	16	1.6
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	16	1.6
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	16	1.6
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	6	1.6
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	6	1.6
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	6	1.6
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	11	1.6
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	11	1.6
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	11	1.6
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	16	1.6
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	16	1.6
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	16	1.6
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	4	1.6
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	4	1.6
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	4	1.6
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	4	1.6
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	4	1.6
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	4	1.6
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	18	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	18	1.6
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	18	1.6
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	18	1.6
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	18	1.6
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	18	1.6
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	9	1.6
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	9	1.6
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	9	1.6
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	12	1.6
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	12	1.6
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	12	1.6
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	17	1.6
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	17	1.6
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	17	1.6
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	13	1.6
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	13	1.6
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	13	1.6
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	18	1.6
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	18	1.6
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	18	1.6
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	19	1.6
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	19	1.6
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	19	1.6
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	17	1.59
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	17	1.59
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	17	1.59
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	18	1.59
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	18	1.59
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	18	1.59
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	5	1.59
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	5	1.59
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	5	1.59
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	14	1.59
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	14	1.59
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	14	1.59
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	13	1.59
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	13	1.59
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	13	1.59
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	12	1.59
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	12	1.59
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	12	1.59
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	12	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	12	1.59
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	12	1.59
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	7	1.59
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	7	1.59
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	7	1.59
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	7	1.59
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	7	1.59
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	7	1.59
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	13	1.59
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	13	1.59
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	13	1.59
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	13	1.59
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	13	1.59
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	13	1.59
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	16	1.59
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	16	1.59
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	16	1.59
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	16	1.59
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	16	1.59
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	16	1.59
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	9	1.59
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	9	1.59
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	9	1.59
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	17	1.59
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	17	1.59
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	17	1.59
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	17	1.59
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	17	1.59
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	17	1.59
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	20	1.59
(1,2196)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	20	1.59
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	20	1.59
(1,2196)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	20	1.59
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	20	1.59
(1,2196)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	20	1.59
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	10	1.59
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	10	1.59
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	10	1.59
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	10	1.59
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	10	1.59
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	10	1.59
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	9	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	9	1.59
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	9	1.59
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	1	1.59
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	1	1.59
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	1	1.59
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	2	1.59
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	2	1.59
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	2	1.59
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	5	1.59
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	5	1.59
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	5	1.59
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	5	1.59
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	5	1.59
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	5	1.59
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	5	1.59
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	5	1.59
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	5	1.59
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	12	1.59
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	12	1.59
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	12	1.59
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	12	1.59
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	12	1.59
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	12	1.59
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	14	1.59
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	14	1.59
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	14	1.59
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	11	1.59
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	11	1.59
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	11	1.59
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	12	1.59
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	12	1.59
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	12	1.59
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	12	1.59
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	12	1.59
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	12	1.59
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD11	20	1.59
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD12	20	1.59
(1,1155)	1:82:A:GLN:HG2	1:85:A:LEU:HD13	20	1.59
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD11	20	1.59
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD12	20	1.59
(1,1155)	1:82:A:GLN:HG3	1:85:A:LEU:HD13	20	1.59
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	17	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	17	1.59
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	17	1.59
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	1	1.59
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	1	1.59
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	1	1.59
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	5	1.59
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	5	1.59
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	5	1.59
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	7	1.58
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	7	1.58
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	7	1.58
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	9	1.58
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	9	1.58
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	9	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	8	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	8	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	8	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	17	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	17	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	17	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	19	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	19	1.58
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	19	1.58
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	6	1.58
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	6	1.58
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	6	1.58
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	6	1.58
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	6	1.58
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	6	1.58
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	8	1.58
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	8	1.58
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	8	1.58
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	17	1.58
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	17	1.58
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	17	1.58
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	19	1.58
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	19	1.58
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	19	1.58
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	1	1.58
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	1	1.58
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	1	1.58
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	10	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	10	1.58
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	10	1.58
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	15	1.58
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	15	1.58
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	15	1.58
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	6	1.58
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	6	1.58
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	6	1.58
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	2	1.57
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	2	1.57
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	2	1.57
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	8	1.57
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	8	1.57
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	8	1.57
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	16	1.57
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	16	1.57
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	16	1.57
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	17	1.57
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	17	1.57
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	17	1.57
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	12	1.57
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	12	1.57
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	12	1.57
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	12	1.57
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	12	1.57
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	12	1.57
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	14	1.57
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	14	1.57
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	14	1.57
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	14	1.57
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	14	1.57
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	14	1.57
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	19	1.57
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	19	1.57
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	19	1.57
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	19	1.57
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	19	1.57
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	19	1.57
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	18	1.57
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	18	1.57
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	18	1.57
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	13	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	13	1.57
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	13	1.57
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	13	1.57
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	13	1.57
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	13	1.57
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	13	1.57
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	13	1.57
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	13	1.57
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	3	1.57
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	3	1.57
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	3	1.57
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	3	1.57
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	3	1.57
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	3	1.57
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	6	1.57
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	6	1.57
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	6	1.57
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	10	1.57
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	10	1.57
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	10	1.57
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	9	1.56
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	9	1.56
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	9	1.56
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	2	1.56
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	2	1.56
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	2	1.56
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	9	1.56
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	9	1.56
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	9	1.56
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	9	1.56
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	9	1.56
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	9	1.56
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	17	1.56
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	17	1.56
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	17	1.56
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	17	1.56
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	17	1.56
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	17	1.56
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	12	1.56
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	12	1.56
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	12	1.56
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	12	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	12	1.56
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	12	1.56
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	17	1.56
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	17	1.56
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	17	1.56
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	17	1.56
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	17	1.56
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	17	1.56
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	17	1.56
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	17	1.56
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	17	1.56
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	20	1.56
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	20	1.56
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	20	1.56
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	2	1.56
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	2	1.56
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	2	1.56
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	2	1.56
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	2	1.56
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	2	1.56
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	2	1.56
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	2	1.56
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	2	1.56
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	9	1.56
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	9	1.56
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	9	1.56
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	9	1.56
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	9	1.56
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	9	1.56
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	17	1.56
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	17	1.56
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	17	1.56
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	17	1.56
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	17	1.56
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	17	1.56
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	20	1.56
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	20	1.56
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	20	1.56
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	2	1.56
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	2	1.56
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	2	1.56
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	19	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	19	1.56
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	19	1.56
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	9	1.56
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	9	1.56
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	9	1.56
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	9	1.56
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	9	1.56
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	9	1.56
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	17	1.56
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	17	1.56
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	17	1.56
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	17	1.56
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	17	1.56
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	17	1.56
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	20	1.56
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	20	1.56
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	20	1.56
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	8	1.56
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	8	1.56
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	8	1.56
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	1	1.55
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	1	1.55
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	1	1.55
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	8	1.55
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	8	1.55
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	8	1.55
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	14	1.55
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	14	1.55
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	14	1.55
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	15	1.55
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	15	1.55
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	15	1.55
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	18	1.55
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	18	1.55
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	18	1.55
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	18	1.55
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	18	1.55
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	18	1.55
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	18	1.55
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	18	1.55
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	18	1.55
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	18	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	18	1.55
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	18	1.55
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	7	1.55
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	7	1.55
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	7	1.55
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	19	1.55
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	19	1.55
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	19	1.55
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	7	1.55
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	7	1.55
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	7	1.55
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	4	1.55
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	4	1.55
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	4	1.55
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	14	1.55
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	14	1.55
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	14	1.55
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	14	1.55
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	14	1.55
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	14	1.55
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	14	1.55
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	14	1.55
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	14	1.55
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	18	1.55
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	18	1.55
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	18	1.55
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	18	1.55
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	18	1.55
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	18	1.55
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	12	1.55
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	12	1.55
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	12	1.55
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	4	1.55
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	4	1.55
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	4	1.55
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD11	8	1.55
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD12	8	1.55
(1,1368)	1:110:A:LEU:HG	1:111:A:LEU:HD13	8	1.55
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	18	1.55
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	18	1.55
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	18	1.55
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	18	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	18	1.55
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	18	1.55
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	8	1.55
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	8	1.55
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	8	1.55
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	10	1.55
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	10	1.55
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	10	1.55
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	20	1.55
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	20	1.55
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	20	1.55
(1,3260)	1:141:A:VAL:HG21	1:26:A:LEU:H	10	1.54
(1,3260)	1:141:A:VAL:HG22	1:26:A:LEU:H	10	1.54
(1,3260)	1:141:A:VAL:HG23	1:26:A:LEU:H	10	1.54
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	6	1.54
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	6	1.54
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	6	1.54
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	20	1.54
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	20	1.54
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	20	1.54
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	4	1.54
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	4	1.54
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	4	1.54
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	4	1.54
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	4	1.54
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	4	1.54
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	15	1.54
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	15	1.54
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	15	1.54
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	15	1.54
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	15	1.54
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	15	1.54
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	19	1.54
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	19	1.54
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	19	1.54
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	19	1.54
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	19	1.54
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	19	1.54
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	6	1.54
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	6	1.54
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	6	1.54
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	6	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	6	1.54
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	6	1.54
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	6	1.54
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	6	1.54
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	6	1.54
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	6	1.54
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	6	1.54
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	6	1.54
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	10	1.54
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	10	1.54
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	10	1.54
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	5	1.54
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	5	1.54
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	5	1.54
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	10	1.54
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	10	1.54
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	10	1.54
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	15	1.54
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	15	1.54
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	15	1.54
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	4	1.54
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	4	1.54
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	4	1.54
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	4	1.54
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	4	1.54
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	4	1.54
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	15	1.54
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	15	1.54
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	15	1.54
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	15	1.54
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	15	1.54
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	15	1.54
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	19	1.54
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	19	1.54
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	19	1.54
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	19	1.54
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	19	1.54
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	19	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	4	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	4	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	4	1.54
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	4	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	4	1.54
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	4	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	15	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	15	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	15	1.54
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	15	1.54
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	15	1.54
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	15	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	19	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	19	1.54
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	19	1.54
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	19	1.54
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	19	1.54
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	19	1.54
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	11	1.54
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	11	1.54
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	11	1.54
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	17	1.54
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	17	1.54
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	17	1.54
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	1	1.54
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	1	1.54
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	1	1.54
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	11	1.53
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	11	1.53
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	11	1.53
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	11	1.53
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	11	1.53
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	11	1.53
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	11	1.53
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	11	1.53
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	11	1.53
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	6	1.53
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	6	1.53
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	6	1.53
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	6	1.53
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	6	1.53
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	6	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	13	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	13	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	13	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	15	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	15	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	15	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	20	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	20	1.53
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	20	1.53
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	4	1.53
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	4	1.53
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	4	1.53
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	13	1.53
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	13	1.53
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	13	1.53
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	15	1.53
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	15	1.53
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	15	1.53
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	20	1.53
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	20	1.53
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	20	1.53
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	12	1.53
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	12	1.53
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	12	1.53
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	12	1.53
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	12	1.53
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	12	1.53
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	12	1.53
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	12	1.53
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	12	1.53
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	1	1.53
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	1	1.53
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	1	1.53
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	11	1.53
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	11	1.53
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	11	1.53
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	11	1.53
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	11	1.53
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	11	1.53
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	2	1.53
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	2	1.53
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	2	1.53
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	11	1.53
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	11	1.53
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	11	1.53
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	11	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	11	1.53
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	11	1.53
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD21	15	1.53
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD22	15	1.53
(1,608)	1:90:A:ILE:H	1:53:A:LEU:HD23	15	1.53
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	20	1.52
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	20	1.52
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	20	1.52
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	1	1.52
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	1	1.52
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	1	1.52
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	1	1.52
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	1	1.52
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	1	1.52
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	13	1.52
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	13	1.52
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	13	1.52
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	13	1.52
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	13	1.52
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	13	1.52
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	16	1.52
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	16	1.52
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	16	1.52
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	16	1.52
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	16	1.52
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	16	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	1	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	1	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	1	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	11	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	11	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	11	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	14	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	14	1.52
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	14	1.52
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	1	1.52
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	1	1.52
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	1	1.52
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	11	1.52
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	11	1.52
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	11	1.52
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	14	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	14	1.52
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	14	1.52
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	8	1.52
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	8	1.52
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	8	1.52
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	8	1.52
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	8	1.52
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	8	1.52
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	20	1.52
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	20	1.52
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	20	1.52
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	1	1.52
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	1	1.52
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	1	1.52
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	1	1.52
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	1	1.52
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	1	1.52
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	13	1.52
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	13	1.52
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	13	1.52
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	13	1.52
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	13	1.52
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	13	1.52
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	16	1.52
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	16	1.52
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	16	1.52
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	16	1.52
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	16	1.52
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	16	1.52
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	15	1.52
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	15	1.52
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	15	1.52
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	15	1.52
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	15	1.52
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	15	1.52
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	15	1.52
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	15	1.52
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	15	1.52
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	15	1.52
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	15	1.52
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	15	1.52
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	19	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	19	1.52
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	19	1.52
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	19	1.52
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	19	1.52
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	19	1.52
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	4	1.52
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	4	1.52
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	4	1.52
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	9	1.52
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	9	1.52
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	9	1.52
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	13	1.52
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	13	1.52
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	13	1.52
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	16	1.52
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	16	1.52
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	16	1.52
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	18	1.52
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	18	1.52
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	18	1.52
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	19	1.52
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	19	1.52
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	19	1.52
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	15	1.52
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	15	1.52
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	15	1.52
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	15	1.52
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	15	1.52
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	15	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	1	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	1	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	1	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	1	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	1	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	1	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	13	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	13	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	13	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	13	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	13	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	13	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	16	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	16	1.52
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	16	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	16	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	16	1.52
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	16	1.52
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	9	1.52
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	9	1.52
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	9	1.52
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	14	1.51
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	14	1.51
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	14	1.51
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	20	1.51
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	20	1.51
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	20	1.51
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	16	1.51
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	16	1.51
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	16	1.51
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	6	1.51
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	6	1.51
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	6	1.51
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	6	1.51
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	6	1.51
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	6	1.51
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	7	1.51
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	7	1.51
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	7	1.51
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	7	1.51
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	7	1.51
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	7	1.51
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	20	1.51
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	20	1.51
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	20	1.51
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	20	1.51
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	20	1.51
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	20	1.51
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	10	1.51
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	10	1.51
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	10	1.51
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	11	1.51
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	11	1.51
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	11	1.51
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	20	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	20	1.51
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	20	1.51
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	20	1.51
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	20	1.51
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	20	1.51
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	10	1.51
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	10	1.51
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	10	1.51
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	18	1.51
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	18	1.51
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	18	1.51
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	18	1.51
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	18	1.51
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	18	1.51
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	18	1.51
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	18	1.51
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	18	1.51
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	17	1.51
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	17	1.51
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	17	1.51
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	11	1.51
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	11	1.51
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	11	1.51
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	14	1.51
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	14	1.51
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	14	1.51
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	4	1.51
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	4	1.51
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	4	1.51
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	4	1.51
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	4	1.51
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	4	1.51
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	4	1.51
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	4	1.51
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	4	1.51
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	6	1.51
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	6	1.51
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	6	1.51
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	6	1.51
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	6	1.51
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	6	1.51
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	7	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	7	1.51
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	7	1.51
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	7	1.51
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	7	1.51
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	7	1.51
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	20	1.51
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	20	1.51
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	20	1.51
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	20	1.51
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	20	1.51
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	20	1.51
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	16	1.51
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	16	1.51
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	16	1.51
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	16	1.51
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	16	1.51
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	16	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	6	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	6	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	6	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	6	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	6	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	6	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	7	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	7	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	7	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	7	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	7	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	7	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	20	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	20	1.51
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	20	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	20	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	20	1.51
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	20	1.51
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	4	1.51
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	4	1.51
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	4	1.51
(1,3530)	1:54:A:VAL:HG21	1:56:A:THR:H	15	1.5
(1,3530)	1:54:A:VAL:HG22	1:56:A:THR:H	15	1.5
(1,3530)	1:54:A:VAL:HG23	1:56:A:THR:H	15	1.5
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	6	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	6	1.5
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	6	1.5
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	12	1.5
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	12	1.5
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	12	1.5
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	8	1.5
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	8	1.5
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	8	1.5
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	8	1.5
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	8	1.5
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	8	1.5
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG21	15	1.5
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG22	15	1.5
(1,2715)	1:56:A:THR:H	1:54:A:VAL:HG23	15	1.5
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	5	1.5
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	5	1.5
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	5	1.5
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	5	1.5
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	5	1.5
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	5	1.5
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	7	1.5
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	7	1.5
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	7	1.5
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	8	1.5
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	8	1.5
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	8	1.5
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	8	1.5
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	8	1.5
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	8	1.5
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	6	1.5
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	6	1.5
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	6	1.5
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	15	1.5
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	15	1.5
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	15	1.5
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	11	1.5
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	11	1.5
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	11	1.5
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	11	1.5
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	11	1.5
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	11	1.5
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	8	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	8	1.5
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	8	1.5
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	8	1.5
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	8	1.5
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	8	1.5
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	13	1.5
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	13	1.5
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	13	1.5
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	14	1.5
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	14	1.5
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	14	1.5
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	12	1.5
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	12	1.5
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	12	1.5
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	12	1.5
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	12	1.5
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	12	1.5
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD21	13	1.5
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD22	13	1.5
(1,534)	1:87:A:TYR:HE1	1:111:A:LEU:HD23	13	1.5
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD21	13	1.5
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD22	13	1.5
(1,534)	1:87:A:TYR:HE2	1:111:A:LEU:HD23	13	1.5
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	8	1.5
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	8	1.5
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	8	1.5
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	1	1.49
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	1	1.49
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	1	1.49
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	5	1.49
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	5	1.49
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	5	1.49
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	2	1.49
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	2	1.49
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	2	1.49
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	2	1.49
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	2	1.49
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	2	1.49
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	10	1.49
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	10	1.49
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	10	1.49
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	10	1.49
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	10	1.49
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	16	1.49
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	16	1.49
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	16	1.49
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	12	1.49
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	12	1.49
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	12	1.49
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	16	1.49
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	16	1.49
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	16	1.49
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	6	1.49
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	6	1.49
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	6	1.49
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	6	1.49
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	6	1.49
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	6	1.49
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	6	1.49
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	6	1.49
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	6	1.49
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	13	1.49
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	13	1.49
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	13	1.49
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	13	1.49
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	13	1.49
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	13	1.49
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	13	1.49
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	13	1.49
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	13	1.49
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	11	1.49
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	11	1.49
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	11	1.49
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	16	1.49
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	16	1.49
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	16	1.49
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	19	1.49
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	19	1.49
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	19	1.49
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	2	1.49
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	2	1.49
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	2	1.49
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	2	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	2	1.49
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	2	1.49
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	10	1.49
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	10	1.49
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	10	1.49
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	10	1.49
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	10	1.49
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	10	1.49
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	7	1.49
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	7	1.49
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	7	1.49
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	8	1.49
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	8	1.49
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	8	1.49
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	10	1.49
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	10	1.49
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	10	1.49
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	10	1.49
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	10	1.49
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	10	1.49
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	2	1.49
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	2	1.49
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	2	1.49
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	2	1.49
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	2	1.49
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	2	1.49
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	10	1.49
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	10	1.49
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	10	1.49
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	10	1.49
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	10	1.49
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	10	1.49
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	7	1.49
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	7	1.49
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	7	1.49
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	16	1.49
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	16	1.49
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	16	1.49
(1,3258)	1:141:A:VAL:HG21	1:25:A:ILE:H	10	1.48
(1,3258)	1:141:A:VAL:HG22	1:25:A:ILE:H	10	1.48
(1,3258)	1:141:A:VAL:HG23	1:25:A:ILE:H	10	1.48
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	14	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	14	1.48
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	14	1.48
(1,3127)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	14	1.48
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	14	1.48
(1,3127)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	14	1.48
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	2	1.48
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	2	1.48
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	2	1.48
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	6	1.48
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	6	1.48
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	6	1.48
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	2	1.48
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	2	1.48
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	2	1.48
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	9	1.48
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	9	1.48
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	9	1.48
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	9	1.48
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	9	1.48
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	9	1.48
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	9	1.48
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	9	1.48
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	9	1.48
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	11	1.48
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	11	1.48
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	11	1.48
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	11	1.48
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	11	1.48
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	11	1.48
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	11	1.48
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	11	1.48
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	11	1.48
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	18	1.48
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	18	1.48
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	18	1.48
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	18	1.48
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	18	1.48
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	18	1.48
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	18	1.48
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	18	1.48
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	18	1.48
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB2	14	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:35:A:VAL:HG11	1:23:A:GLU:HB3	14	1.48
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB2	14	1.48
(1,1975)	1:35:A:VAL:HG12	1:23:A:GLU:HB3	14	1.48
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB2	14	1.48
(1,1975)	1:35:A:VAL:HG13	1:23:A:GLU:HB3	14	1.48
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	5	1.48
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	5	1.48
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	5	1.48
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	17	1.48
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	17	1.48
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	17	1.48
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	20	1.48
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	20	1.48
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	20	1.48
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	20	1.48
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	20	1.48
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	20	1.48
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG11	14	1.48
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG12	14	1.48
(1,1177)	1:23:A:GLU:HB2	1:35:A:VAL:HG13	14	1.48
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG11	14	1.48
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG12	14	1.48
(1,1177)	1:23:A:GLU:HB3	1:35:A:VAL:HG13	14	1.48
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	4	1.48
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	4	1.48
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	4	1.48
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	12	1.48
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	12	1.48
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	12	1.48
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	17	1.47
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	17	1.47
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	17	1.47
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG2	4	1.47
(1,2195)	1:18:A:VAL:HG11	1:134:A:GLU:HG3	4	1.47
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG2	4	1.47
(1,2195)	1:18:A:VAL:HG12	1:134:A:GLU:HG3	4	1.47
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG2	4	1.47
(1,2195)	1:18:A:VAL:HG13	1:134:A:GLU:HG3	4	1.47
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	8	1.47
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	8	1.47
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	8	1.47
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	8	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	8	1.47
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	8	1.47
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	8	1.47
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	8	1.47
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	8	1.47
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	11	1.47
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	11	1.47
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	11	1.47
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	8	1.47
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	8	1.47
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	8	1.47
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	8	1.47
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	8	1.47
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	8	1.47
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	3	1.47
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	3	1.47
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	3	1.47
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	7	1.46
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	7	1.46
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	7	1.46
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	9	1.46
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	9	1.46
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	9	1.46
(1,3364)	1:35:A:VAL:HG21	1:37:A:GLU:H	19	1.46
(1,3364)	1:35:A:VAL:HG22	1:37:A:GLU:H	19	1.46
(1,3364)	1:35:A:VAL:HG23	1:37:A:GLU:H	19	1.46
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	13	1.46
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	13	1.46
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	13	1.46
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	19	1.46
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	19	1.46
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	19	1.46
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	20	1.46
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	20	1.46
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	20	1.46
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	20	1.46
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	20	1.46
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	20	1.46
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	20	1.46
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	20	1.46
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	20	1.46
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	16	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	16	1.46
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	16	1.46
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	6	1.46
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	6	1.46
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	6	1.46
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	6	1.46
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	6	1.46
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	6	1.46
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	6	1.46
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	6	1.46
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	6	1.46
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	3	1.46
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	3	1.46
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	3	1.46
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	7	1.46
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	7	1.46
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	7	1.46
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	7	1.46
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	7	1.46
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	7	1.46
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	8	1.45
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	8	1.45
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	8	1.45
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	15	1.45
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	15	1.45
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	15	1.45
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	18	1.45
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	18	1.45
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	18	1.45
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	11	1.45
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	11	1.45
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	11	1.45
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	11	1.45
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	11	1.45
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	11	1.45
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	11	1.45
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	11	1.45
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	11	1.45
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	19	1.45
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	19	1.45
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	19	1.45
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	19	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	19	1.45
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	19	1.45
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	19	1.45
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	19	1.45
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	19	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	1	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	1	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	1	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	1	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	1	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	1	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	1	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	1	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	1	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	9	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	9	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	9	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	9	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	9	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	9	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	9	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	9	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	9	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	17	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	17	1.45
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	17	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	17	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	17	1.45
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	17	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	17	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	17	1.45
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	17	1.45
(1,1489)	1:71:A:LEU:HD21	1:41:A:LEU:HA	10	1.45
(1,1489)	1:71:A:LEU:HD22	1:41:A:LEU:HA	10	1.45
(1,1489)	1:71:A:LEU:HD23	1:41:A:LEU:HA	10	1.45
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	14	1.45
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	14	1.45
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	14	1.45
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	14	1.45
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	14	1.45
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	14	1.45
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	12	1.44
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	12	1.44
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	4	1.44
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	4	1.44
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	4	1.44
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	4	1.44
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	4	1.44
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	4	1.44
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	11	1.44
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	11	1.44
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	11	1.44
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	11	1.44
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	11	1.44
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	11	1.44
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	3	1.44
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	3	1.44
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	3	1.44
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	3	1.44
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	3	1.44
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	3	1.44
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	18	1.43
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	18	1.43
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	18	1.43
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	1	1.43
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	1	1.43
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	1	1.43
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	2	1.43
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	2	1.43
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	2	1.43
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	13	1.43
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	13	1.43
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	13	1.43
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	7	1.43
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	7	1.43
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	7	1.43
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	9	1.43
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	9	1.43
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	9	1.43
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	11	1.43
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	11	1.43
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	11	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	4	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	4	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	4	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	4	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	4	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	4	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	4	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	4	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	5	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	5	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	5	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	5	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	5	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	5	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	5	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	5	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	5	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	10	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	10	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	10	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	10	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	10	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	10	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	10	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	10	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	10	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	14	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	14	1.43
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	14	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	14	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	14	1.43
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	14	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	14	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	14	1.43
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	14	1.43
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	6	1.43
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	6	1.43
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	6	1.43
(1,2022)	1:45:A:LEU:HD11	1:79:A:LEU:HG	7	1.43
(1,2022)	1:45:A:LEU:HD12	1:79:A:LEU:HG	7	1.43
(1,2022)	1:45:A:LEU:HD13	1:79:A:LEU:HG	7	1.43
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	5	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	5	1.43
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	5	1.43
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	5	1.43
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	5	1.43
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	5	1.43
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	5	1.43
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	5	1.43
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	5	1.43
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	5	1.43
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	5	1.43
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	5	1.43
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	20	1.43
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	20	1.43
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	20	1.43
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	5	1.43
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	5	1.43
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	5	1.43
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	5	1.43
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	5	1.43
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	5	1.43
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	10	1.42
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	10	1.42
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	10	1.42
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	16	1.42
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	16	1.42
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	16	1.42
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	17	1.42
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	17	1.42
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	17	1.42
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	18	1.42
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	18	1.42
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	18	1.42
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	18	1.42
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	18	1.42
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	18	1.42
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	1	1.42
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	1	1.42
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	1	1.42
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	18	1.42
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	18	1.42
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	18	1.42
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	19	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	19	1.42
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	19	1.42
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	19	1.42
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	19	1.42
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	19	1.42
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	3	1.42
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	3	1.42
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	3	1.42
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	14	1.41
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	14	1.41
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	14	1.41
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	16	1.41
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	16	1.41
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	16	1.41
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	15	1.41
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	15	1.41
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	15	1.41
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	15	1.41
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	15	1.41
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	15	1.41
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	15	1.41
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	15	1.41
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	15	1.41
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	14	1.41
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	14	1.41
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	14	1.41
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	19	1.41
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	19	1.41
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	19	1.41
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	19	1.41
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	19	1.41
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	19	1.41
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	19	1.41
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	19	1.41
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	19	1.41
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	6	1.41
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	6	1.41
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	6	1.41
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	6	1.41
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	6	1.41
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	6	1.41
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	16	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	16	1.41
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	16	1.41
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	16	1.41
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	16	1.41
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	16	1.41
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	6	1.41
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	6	1.41
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	6	1.41
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	6	1.41
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	6	1.41
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	6	1.41
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	16	1.41
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	16	1.41
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	16	1.41
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	16	1.41
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	16	1.41
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	16	1.41
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	6	1.41
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	6	1.41
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	6	1.41
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	6	1.41
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	6	1.41
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	6	1.41
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	16	1.41
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	16	1.41
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	16	1.41
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	16	1.41
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	16	1.41
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	16	1.41
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	5	1.41
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	5	1.41
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	5	1.41
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	5	1.41
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	5	1.41
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	5	1.41
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	11	1.41
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	11	1.41
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	11	1.41
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	11	1.41
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	11	1.41
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	11	1.41
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	8	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	8	1.4
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	8	1.4
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	12	1.4
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	12	1.4
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	12	1.4
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	1	1.4
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	1	1.4
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	1	1.4
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	1	1.4
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	1	1.4
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	1	1.4
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	1	1.4
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	1	1.4
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	1	1.4
(1,2060)	1:148:A:LEU:HD11	1:147:A:LEU:HG	3	1.4
(1,2060)	1:148:A:LEU:HD12	1:147:A:LEU:HG	3	1.4
(1,2060)	1:148:A:LEU:HD13	1:147:A:LEU:HG	3	1.4
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	11	1.4
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	11	1.4
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	11	1.4
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	11	1.4
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	11	1.4
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	11	1.4
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	7	1.4
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	7	1.4
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	7	1.4
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	4	1.4
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	4	1.4
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	4	1.4
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	4	1.4
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	4	1.4
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	4	1.4
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	6	1.4
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	6	1.4
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	6	1.4
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	6	1.4
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	6	1.4
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	6	1.4
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD21	3	1.4
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD22	3	1.4
(1,607)	1:88:A:GLY:H	1:53:A:LEU:HD23	3	1.4
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	14	1.39
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	14	1.39
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	15	1.39
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	15	1.39
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	15	1.39
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	20	1.39
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	20	1.39
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	20	1.39
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	16	1.39
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	16	1.39
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	16	1.39
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	16	1.39
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	16	1.39
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	16	1.39
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	16	1.39
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	16	1.39
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	16	1.39
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	3	1.39
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	3	1.39
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	3	1.39
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	3	1.39
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	3	1.39
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	3	1.39
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	20	1.39
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	20	1.39
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	20	1.39
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	20	1.39
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	20	1.39
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	20	1.39
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	3	1.39
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	3	1.39
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	3	1.39
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	3	1.39
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	3	1.39
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	3	1.39
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	20	1.39
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	20	1.39
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	20	1.39
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	20	1.39
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	20	1.39
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	20	1.39
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	14	1.39
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	14	1.39
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	14	1.39
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	14	1.39
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	14	1.39
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	3	1.39
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	3	1.39
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	3	1.39
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	3	1.39
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	3	1.39
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	3	1.39
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	20	1.39
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	20	1.39
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	20	1.39
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	20	1.39
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	20	1.39
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	20	1.39
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	17	1.39
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	17	1.39
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	17	1.39
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	17	1.39
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	17	1.39
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	17	1.39
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	1	1.39
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	1	1.39
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	1	1.39
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	1	1.39
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	1	1.39
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	1	1.39
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	1	1.39
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	1	1.39
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	1	1.39
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	1	1.39
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	1	1.39
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	1	1.39
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	16	1.38
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	16	1.38
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	16	1.38
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	1	1.38
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	1	1.38
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	1	1.38
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	18	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	18	1.38
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	18	1.38
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	8	1.38
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	8	1.38
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	8	1.38
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	8	1.38
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	8	1.38
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	8	1.38
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	9	1.38
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	9	1.38
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	9	1.38
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	9	1.38
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	9	1.38
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	9	1.38
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	15	1.38
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	15	1.38
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	15	1.38
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	15	1.38
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	15	1.38
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	15	1.38
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	8	1.38
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	8	1.38
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	8	1.38
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	8	1.38
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	8	1.38
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	8	1.38
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	15	1.38
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	15	1.38
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	15	1.38
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	15	1.38
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	15	1.38
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	15	1.38
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	8	1.38
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	8	1.38
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	8	1.38
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	8	1.38
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	8	1.38
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	8	1.38
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	1	1.37
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	1	1.37
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	1	1.37
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	8	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	8	1.37
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	8	1.37
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	1	1.37
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	1	1.37
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	1	1.37
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	3	1.37
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	3	1.37
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	3	1.37
(1,2090)	1:26:A:LEU:HD11	1:142:A:GLU:HA	3	1.37
(1,2090)	1:26:A:LEU:HD12	1:142:A:GLU:HA	3	1.37
(1,2090)	1:26:A:LEU:HD13	1:142:A:GLU:HA	3	1.37
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	14	1.37
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	14	1.37
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	14	1.37
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	14	1.37
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	14	1.37
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	14	1.37
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	19	1.37
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	19	1.37
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	19	1.37
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	19	1.37
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	19	1.37
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	19	1.37
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	14	1.37
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	14	1.37
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	14	1.37
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	14	1.37
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	14	1.37
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	14	1.37
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	19	1.37
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	19	1.37
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	19	1.37
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	19	1.37
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	19	1.37
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	19	1.37
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	7	1.37
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	7	1.37
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	7	1.37
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	7	1.37
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	7	1.37
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	7	1.37
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	14	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	14	1.37
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	14	1.37
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	14	1.37
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	14	1.37
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	14	1.37
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	19	1.37
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	19	1.37
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	19	1.37
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	19	1.37
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	19	1.37
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	19	1.37
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	11	1.37
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	11	1.37
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	11	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	3	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	3	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	3	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	3	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	3	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	3	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	8	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	8	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	8	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	8	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	8	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	8	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	20	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	20	1.37
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	20	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	20	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	20	1.37
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	20	1.37
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	8	1.37
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	8	1.37
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	8	1.37
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	1	1.36
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	1	1.36
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	1	1.36
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	3	1.36
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	3	1.36
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	3	1.36
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	12	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	12	1.36
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	12	1.36
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	13	1.36
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	13	1.36
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	13	1.36
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	17	1.36
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	17	1.36
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	17	1.36
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	20	1.36
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	20	1.36
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	20	1.36
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	4	1.36
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	4	1.36
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	4	1.36
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	7	1.36
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	7	1.36
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	7	1.36
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	4	1.36
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	4	1.36
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	4	1.36
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	2	1.36
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	2	1.36
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	2	1.36
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	2	1.36
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	2	1.36
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	2	1.36
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	2	1.36
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	2	1.36
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	2	1.36
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	10	1.36
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	10	1.36
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	10	1.36
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	10	1.36
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	10	1.36
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	10	1.36
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	1	1.36
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	1	1.36
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	1	1.36
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	1	1.36
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	1	1.36
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	1	1.36
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	17	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	17	1.36
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	17	1.36
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	17	1.36
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	17	1.36
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	17	1.36
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	10	1.36
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	10	1.36
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	10	1.36
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	10	1.36
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	10	1.36
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	10	1.36
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	9	1.36
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	9	1.36
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	9	1.36
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	10	1.36
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	10	1.36
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	10	1.36
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	10	1.36
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	10	1.36
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	10	1.36
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	7	1.36
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	7	1.36
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	7	1.36
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	7	1.36
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	7	1.36
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	7	1.36
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	15	1.36
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	15	1.36
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	15	1.36
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	18	1.36
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	18	1.36
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	18	1.36
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	4	1.36
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	4	1.36
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	4	1.36
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	4	1.36
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	4	1.36
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	4	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	1	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	1	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	1	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	3	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	3	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	3	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	12	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	12	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	12	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	13	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	13	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	13	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	17	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	17	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	17	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	20	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	20	1.36
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	20	1.36
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	3	1.35
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	3	1.35
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	3	1.35
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	6	1.35
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	6	1.35
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	6	1.35
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	7	1.35
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	7	1.35
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	7	1.35
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	9	1.35
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	9	1.35
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	9	1.35
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	15	1.35
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	15	1.35
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	15	1.35
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	19	1.35
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	19	1.35
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	19	1.35
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	3	1.35
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	3	1.35
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	3	1.35
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD11	4	1.35
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD12	4	1.35
(1,2427)	1:22:A:ALA:HA	1:53:A:LEU:HD13	4	1.35
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	10	1.35
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	10	1.35
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	10	1.35
(1,2105)	1:53:A:LEU:HD11	1:22:A:ALA:HA	4	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:53:A:LEU:HD12	1:22:A:ALA:HA	4	1.35
(1,2105)	1:53:A:LEU:HD13	1:22:A:ALA:HA	4	1.35
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	2	1.35
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	2	1.35
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	2	1.35
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	2	1.35
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	2	1.35
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	2	1.35
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	5	1.35
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	5	1.35
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	5	1.35
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	5	1.35
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	5	1.35
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	5	1.35
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	10	1.35
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	10	1.35
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	10	1.35
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	10	1.35
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	10	1.35
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	10	1.35
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	20	1.35
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	20	1.35
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	20	1.35
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	20	1.35
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	20	1.35
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	20	1.35
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	2	1.35
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	2	1.35
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	2	1.35
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	2	1.35
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	2	1.35
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	2	1.35
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	2	1.35
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	2	1.35
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	2	1.35
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	2	1.35
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	2	1.35
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	2	1.35
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	12	1.35
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	12	1.35
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	12	1.35
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	12	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	12	1.35
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	12	1.35
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	5	1.35
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	5	1.35
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	5	1.35
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	11	1.35
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	11	1.35
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	11	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	2	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	2	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	2	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	2	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	2	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	2	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	6	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	6	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	6	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	6	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	6	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	6	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	15	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	15	1.35
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	15	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	15	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	15	1.35
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	15	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	6	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	6	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	6	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	7	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	7	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	7	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	9	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	9	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	9	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	15	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	15	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	15	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	19	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	19	1.35
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	19	1.35
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	18	1.34
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	18	1.34
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	2	1.34
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	2	1.34
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	2	1.34
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	11	1.34
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	11	1.34
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	11	1.34
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	16	1.34
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	16	1.34
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	16	1.34
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	18	1.34
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	18	1.34
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	18	1.34
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	8	1.34
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	8	1.34
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	8	1.34
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	18	1.34
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	18	1.34
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	18	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	6	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	6	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	6	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	7	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	7	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	7	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	9	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	9	1.34
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	9	1.34
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	15	1.34
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	15	1.34
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	15	1.34
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	15	1.34
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	15	1.34
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	15	1.34
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	15	1.34
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	15	1.34
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	15	1.34
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	4	1.34
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	4	1.34
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	4	1.34
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	4	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	4	1.34
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	4	1.34
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	4	1.34
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	4	1.34
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	4	1.34
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	4	1.34
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	4	1.34
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	4	1.34
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	5	1.34
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	5	1.34
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	5	1.34
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	5	1.34
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	5	1.34
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	5	1.34
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	4	1.34
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	4	1.34
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	4	1.34
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	4	1.34
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	4	1.34
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	4	1.34
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	12	1.34
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	12	1.34
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	12	1.34
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	5	1.34
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	5	1.34
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	5	1.34
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	15	1.34
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	15	1.34
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	15	1.34
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	13	1.34
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	13	1.34
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	13	1.34
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	13	1.34
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	13	1.34
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	13	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	2	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	2	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	2	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	11	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	11	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	11	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	16	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	16	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	16	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	18	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	18	1.34
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	18	1.34
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	18	1.34
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	18	1.34
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	18	1.34
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	12	1.33
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	12	1.33
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	12	1.33
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	5	1.33
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	5	1.33
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	5	1.33
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	10	1.33
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	10	1.33
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	10	1.33
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	1	1.33
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	1	1.33
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	1	1.33
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	11	1.33
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	11	1.33
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	11	1.33
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	13	1.33
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	13	1.33
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	13	1.33
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	12	1.33
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	12	1.33
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	12	1.33
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	8	1.33
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	8	1.33
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	8	1.33
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	18	1.33
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	18	1.33
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	18	1.33
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	18	1.33
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	18	1.33
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	18	1.33
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	11	1.33
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	11	1.33
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	11	1.33
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	11	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	11	1.33
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	11	1.33
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	3	1.33
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	3	1.33
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	3	1.33
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	3	1.33
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	3	1.33
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	3	1.33
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	12	1.33
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	12	1.33
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	12	1.33
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	12	1.33
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	12	1.33
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	12	1.33
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	19	1.33
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	19	1.33
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	19	1.33
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	19	1.33
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	19	1.33
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	19	1.33
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	11	1.33
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	11	1.33
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	11	1.33
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	11	1.33
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	11	1.33
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	11	1.33
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	11	1.33
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	11	1.33
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	11	1.33
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	11	1.33
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	11	1.33
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	11	1.33
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	2	1.33
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	2	1.33
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	2	1.33
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	10	1.33
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	10	1.33
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	10	1.33
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	15	1.33
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	15	1.33
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	15	1.33
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	18	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	18	1.33
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	18	1.33
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	7	1.33
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	7	1.33
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	7	1.33
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	7	1.33
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	7	1.33
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	7	1.33
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	5	1.33
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	5	1.33
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	5	1.33
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	10	1.33
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	10	1.33
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	10	1.33
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	13	1.33
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	13	1.33
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	13	1.33
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	14	1.33
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	14	1.33
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	14	1.33
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	14	1.33
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	14	1.33
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	14	1.33
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	20	1.32
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	20	1.32
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	20	1.32
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	14	1.32
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	14	1.32
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	14	1.32
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	3	1.32
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	3	1.32
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	3	1.32
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	12	1.32
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	12	1.32
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	12	1.32
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	20	1.32
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	20	1.32
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	20	1.32
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	12	1.32
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	12	1.32
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	12	1.32
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	12	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	12	1.32
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	12	1.32
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	12	1.32
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	12	1.32
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	12	1.32
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	16	1.32
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	16	1.32
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	16	1.32
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	16	1.32
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	16	1.32
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	16	1.32
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	16	1.32
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	16	1.32
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	16	1.32
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD11	10	1.32
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD12	10	1.32
(1,2004)	1:91:A:ALA:HB1	1:124:A:LEU:HD13	10	1.32
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD11	10	1.32
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD12	10	1.32
(1,2004)	1:91:A:ALA:HB2	1:124:A:LEU:HD13	10	1.32
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD11	10	1.32
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD12	10	1.32
(1,2004)	1:91:A:ALA:HB3	1:124:A:LEU:HD13	10	1.32
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	16	1.32
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	16	1.32
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	16	1.32
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	16	1.32
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	16	1.32
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	16	1.32
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	2	1.32
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	2	1.32
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	2	1.32
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	2	1.32
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	2	1.32
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	2	1.32
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	13	1.32
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	13	1.32
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	13	1.32
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	13	1.32
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	13	1.32
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	13	1.32
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	12	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	12	1.32
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	12	1.32
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	12	1.32
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	12	1.32
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	12	1.32
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	12	1.32
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	12	1.32
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	12	1.32
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	14	1.32
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	14	1.32
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	14	1.32
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	16	1.32
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	16	1.32
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	16	1.32
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	14	1.32
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	14	1.32
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	14	1.32
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	18	1.32
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	18	1.32
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	18	1.32
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	18	1.32
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	18	1.32
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	18	1.32
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	9	1.31
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	9	1.31
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	9	1.31
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	11	1.31
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	11	1.31
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	11	1.31
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	10	1.31
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	10	1.31
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	10	1.31
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	17	1.31
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	17	1.31
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	17	1.31
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	10	1.31
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	10	1.31
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	10	1.31
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	9	1.31
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	9	1.31
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	9	1.31
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	11	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	11	1.31
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	11	1.31
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	17	1.31
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	17	1.31
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	17	1.31
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	17	1.31
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	17	1.31
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	17	1.31
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD2	7	1.31
(1,2278)	1:92:A:LEU:HD11	1:133:A:PRO:HD3	7	1.31
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD2	7	1.31
(1,2278)	1:92:A:LEU:HD12	1:133:A:PRO:HD3	7	1.31
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD2	7	1.31
(1,2278)	1:92:A:LEU:HD13	1:133:A:PRO:HD3	7	1.31
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	5	1.31
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	5	1.31
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	5	1.31
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	5	1.31
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	5	1.31
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	5	1.31
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	1	1.31
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	1	1.31
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	1	1.31
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	1	1.31
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	1	1.31
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	1	1.31
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	9	1.31
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	9	1.31
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	9	1.31
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	9	1.31
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	9	1.31
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	9	1.31
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	8	1.31
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	8	1.31
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	8	1.31
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	8	1.31
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	8	1.31
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	8	1.31
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	1	1.31
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	1	1.31
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	1	1.31
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	1	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	1	1.31
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	1	1.31
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	9	1.31
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	9	1.31
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	9	1.31
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	9	1.31
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	9	1.31
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	9	1.31
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	1	1.31
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	1	1.31
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	1	1.31
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	1	1.31
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	1	1.31
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	1	1.31
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	9	1.31
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	9	1.31
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	9	1.31
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	9	1.31
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	9	1.31
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	9	1.31
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	13	1.31
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	13	1.31
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	13	1.31
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	14	1.31
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	14	1.31
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	14	1.31
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	14	1.31
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	14	1.31
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	14	1.31
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	7	1.31
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	7	1.31
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	7	1.31
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	16	1.31
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	16	1.31
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	16	1.31
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	16	1.31
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	16	1.31
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	16	1.31
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	16	1.31
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	16	1.31
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	16	1.31
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	11	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	11	1.31
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	11	1.31
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	11	1.31
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	11	1.31
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	11	1.31
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	8	1.3
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	8	1.3
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	8	1.3
(1,4072)	1:141:A:VAL:HG11	1:140:A:TRP:H	4	1.3
(1,4072)	1:141:A:VAL:HG12	1:140:A:TRP:H	4	1.3
(1,4072)	1:141:A:VAL:HG13	1:140:A:TRP:H	4	1.3
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	12	1.3
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	12	1.3
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	12	1.3
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	8	1.3
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	8	1.3
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	8	1.3
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	14	1.3
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	14	1.3
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	14	1.3
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	14	1.3
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	14	1.3
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	14	1.3
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	4	1.3
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	4	1.3
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	4	1.3
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	1	1.3
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	1	1.3
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	1	1.3
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	20	1.3
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	20	1.3
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	20	1.3
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	20	1.3
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	20	1.3
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	20	1.3
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	9	1.3
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	9	1.3
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	9	1.3
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	13	1.3
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	13	1.3
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	13	1.3
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	8	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	8	1.3
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	8	1.3
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	2	1.3
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	2	1.3
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	2	1.3
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD11	5	1.3
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD12	5	1.3
(1,578)	1:140:A:TRP:HD1	1:123:A:LEU:HD13	5	1.3
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG11	4	1.3
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG12	4	1.3
(1,538)	1:140:A:TRP:H	1:141:A:VAL:HG13	4	1.3
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	7	1.29
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	7	1.29
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	7	1.29
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	15	1.29
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	15	1.29
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	15	1.29
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	7	1.29
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	7	1.29
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	7	1.29
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	7	1.29
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	7	1.29
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	7	1.29
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	15	1.29
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	15	1.29
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	15	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	1	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	1	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	1	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	8	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	8	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	8	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	19	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	19	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	19	1.29
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	5	1.29
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	5	1.29
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	5	1.29
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	9	1.29
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	9	1.29
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	9	1.29
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	16	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	16	1.29
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	16	1.29
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	14	1.29
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	14	1.29
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	14	1.29
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	19	1.29
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	19	1.29
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	19	1.29
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	11	1.29
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	11	1.29
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	11	1.29
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	11	1.29
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	11	1.29
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	11	1.29
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	8	1.29
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	8	1.29
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	8	1.29
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	8	1.29
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	8	1.29
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	8	1.29
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	20	1.29
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	20	1.29
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	20	1.29
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	20	1.29
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	20	1.29
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	20	1.29
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	11	1.29
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	11	1.29
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	11	1.29
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	3	1.29
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	3	1.29
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	3	1.29
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	15	1.29
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	15	1.29
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	15	1.29
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	10	1.29
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	10	1.29
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	10	1.29
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	10	1.29
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	10	1.29
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	10	1.29
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	3	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	3	1.29
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	3	1.29
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	3	1.29
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	3	1.29
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	3	1.29
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	3	1.28
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	3	1.28
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	3	1.28
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	17	1.28
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	17	1.28
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	17	1.28
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	17	1.28
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	17	1.28
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	17	1.28
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	7	1.28
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	7	1.28
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	7	1.28
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	7	1.28
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	7	1.28
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	7	1.28
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	17	1.28
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	17	1.28
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	17	1.28
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	17	1.28
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	17	1.28
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	17	1.28
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	17	1.28
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	17	1.28
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	17	1.28
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	17	1.28
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	17	1.28
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	17	1.28
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	4	1.28
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	4	1.28
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	4	1.28
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	20	1.28
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	20	1.28
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	20	1.28
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	10	1.28
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	10	1.28
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	10	1.28
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	15	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	15	1.28
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	15	1.28
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	7	1.28
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	7	1.28
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	7	1.28
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	18	1.28
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	18	1.28
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	18	1.28
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	11	1.28
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	11	1.28
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	11	1.28
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	13	1.28
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	13	1.28
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	13	1.28
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	13	1.28
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	13	1.28
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	13	1.28
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	18	1.28
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	18	1.28
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	18	1.28
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	18	1.28
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	18	1.28
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	18	1.28
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	7	1.28
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	7	1.28
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	7	1.28
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	7	1.28
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	7	1.28
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	7	1.28
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	2	1.27
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	2	1.27
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	2	1.27
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	6	1.27
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	6	1.27
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	6	1.27
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	2	1.27
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	2	1.27
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	2	1.27
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	20	1.27
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	20	1.27
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	20	1.27
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	4	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	4	1.27
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	4	1.27
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	4	1.27
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	4	1.27
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	4	1.27
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	9	1.27
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	9	1.27
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	9	1.27
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	9	1.27
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	9	1.27
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	9	1.27
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	13	1.27
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	13	1.27
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	13	1.27
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	13	1.27
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	13	1.27
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	13	1.27
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	12	1.27
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	12	1.27
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	12	1.27
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	12	1.27
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	12	1.27
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	12	1.27
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	12	1.27
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	12	1.27
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	12	1.27
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	12	1.27
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	12	1.27
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	12	1.27
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	12	1.27
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	12	1.27
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	12	1.27
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	12	1.27
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	12	1.27
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	12	1.27
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	6	1.27
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	6	1.27
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	6	1.27
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	20	1.27
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	20	1.27
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	20	1.27
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	8	1.27
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	8	1.27
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	10	1.27
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	10	1.27
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	10	1.27
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	4	1.27
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	4	1.27
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	4	1.27
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	4	1.27
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	4	1.27
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	4	1.27
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	12	1.27
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	12	1.27
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	12	1.27
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	12	1.27
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	12	1.27
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	12	1.27
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	13	1.27
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	13	1.27
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	13	1.27
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	13	1.27
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	13	1.27
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	13	1.27
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	20	1.27
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	20	1.27
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	20	1.27
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	20	1.27
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	20	1.27
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	20	1.27
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	17	1.26
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	17	1.26
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	17	1.26
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	19	1.26
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	19	1.26
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	19	1.26
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	17	1.26
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	17	1.26
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	17	1.26
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	19	1.26
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	19	1.26
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	19	1.26
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	4	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	4	1.26
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	4	1.26
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	12	1.26
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	12	1.26
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	12	1.26
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	13	1.26
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	13	1.26
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	13	1.26
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	2	1.26
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	2	1.26
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	2	1.26
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	15	1.26
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	15	1.26
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	15	1.26
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	15	1.26
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	15	1.26
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	15	1.26
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	15	1.26
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	15	1.26
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	15	1.26
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	13	1.26
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	13	1.26
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	13	1.26
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	13	1.26
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	13	1.26
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	13	1.26
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	13	1.26
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	13	1.26
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	13	1.26
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	13	1.26
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	13	1.26
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	13	1.26
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	6	1.26
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	6	1.26
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	6	1.26
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	6	1.26
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	6	1.26
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	6	1.26
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	13	1.26
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	13	1.26
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	13	1.26
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	13	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	13	1.26
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	13	1.26
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	3	1.26
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	3	1.26
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	3	1.26
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	16	1.26
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	16	1.26
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	16	1.26
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	6	1.25
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	6	1.25
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	6	1.25
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	10	1.25
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	10	1.25
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	10	1.25
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	14	1.25
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	14	1.25
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	14	1.25
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	13	1.25
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	13	1.25
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	13	1.25
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	18	1.25
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	18	1.25
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	18	1.25
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	20	1.25
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	20	1.25
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	20	1.25
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	2	1.25
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	2	1.25
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	2	1.25
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	7	1.25
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	7	1.25
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	7	1.25
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	5	1.25
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	5	1.25
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	5	1.25
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	7	1.25
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	7	1.25
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	7	1.25
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	15	1.25
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	15	1.25
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	15	1.25
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	6	1.25
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	6	1.25
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	10	1.25
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	10	1.25
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	10	1.25
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	14	1.25
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	14	1.25
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	14	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	6	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	6	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	6	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	7	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	7	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	7	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	10	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	10	1.25
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	10	1.25
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	14	1.25
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	14	1.25
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	14	1.25
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	14	1.25
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	14	1.25
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	14	1.25
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	7	1.25
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	7	1.25
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	7	1.25
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	7	1.25
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	7	1.25
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	7	1.25
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	7	1.25
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	7	1.25
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	7	1.25
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	18	1.25
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	18	1.25
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	18	1.25
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	18	1.25
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	18	1.25
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	18	1.25
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	18	1.25
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	18	1.25
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	18	1.25
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	1	1.25
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	1	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	1	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	1	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	1	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	1	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	1	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	1	1.25
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	5	1.25
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	5	1.25
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	5	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	5	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	5	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	5	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	5	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	5	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	5	1.25
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	8	1.25
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	8	1.25
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	8	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	8	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	8	1.25
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	8	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	8	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	8	1.25
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	8	1.25
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	6	1.25
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	6	1.25
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	6	1.25
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	6	1.25
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	6	1.25
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	6	1.25
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	10	1.25
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	10	1.25
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	10	1.25
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	13	1.25
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	13	1.25
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	13	1.25
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	7	1.25
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	7	1.25
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	7	1.25
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	7	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	7	1.25
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	7	1.25
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	7	1.25
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	7	1.25
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	7	1.25
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	18	1.25
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	18	1.25
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	18	1.25
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	18	1.25
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	18	1.25
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	18	1.25
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	18	1.25
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	18	1.25
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	18	1.25
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	8	1.25
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	8	1.25
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	8	1.25
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	19	1.25
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	19	1.25
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	19	1.25
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	13	1.25
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	13	1.25
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	13	1.25
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	20	1.25
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	20	1.25
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	20	1.25
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	16	1.25
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	16	1.25
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	16	1.25
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	13	1.24
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	13	1.24
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	13	1.24
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	11	1.24
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	11	1.24
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	11	1.24
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	18	1.24
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	18	1.24
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	18	1.24
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	11	1.24
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	11	1.24
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	11	1.24
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	19	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	19	1.24
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	19	1.24
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	13	1.24
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	13	1.24
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	13	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	5	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	5	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	5	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	14	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	14	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	14	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	20	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	20	1.24
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	20	1.24
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	18	1.24
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	18	1.24
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	18	1.24
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	19	1.24
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	19	1.24
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	19	1.24
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	19	1.24
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	19	1.24
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	19	1.24
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	19	1.24
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	19	1.24
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	19	1.24
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	8	1.24
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	8	1.24
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	8	1.24
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	8	1.24
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	8	1.24
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	8	1.24
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	20	1.24
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	20	1.24
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	20	1.24
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	20	1.24
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	20	1.24
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	20	1.24
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	9	1.24
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	9	1.24
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	9	1.24
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	9	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	9	1.24
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	9	1.24
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	9	1.24
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	9	1.24
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	9	1.24
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	2	1.24
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	2	1.24
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	2	1.24
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	2	1.24
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	2	1.24
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	2	1.24
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	2	1.24
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	2	1.24
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	2	1.24
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	17	1.24
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	17	1.24
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	17	1.24
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	17	1.24
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	17	1.24
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	17	1.24
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	17	1.24
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	17	1.24
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	17	1.24
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	10	1.24
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	10	1.24
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	10	1.24
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	10	1.24
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	10	1.24
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	10	1.24
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	1	1.24
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	1	1.24
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	1	1.24
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	1	1.24
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	1	1.24
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	1	1.24
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	9	1.24
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	9	1.24
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	9	1.24
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	9	1.24
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	9	1.24
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	9	1.24
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	9	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	9	1.24
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	9	1.24
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	1	1.24
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	1	1.24
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	1	1.24
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	1	1.24
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	1	1.24
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	1	1.24
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	9	1.24
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	9	1.24
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	9	1.24
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	9	1.24
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	9	1.24
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	9	1.24
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	9	1.24
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	9	1.24
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	9	1.24
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	10	1.24
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	10	1.24
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	10	1.24
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	5	1.23
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	5	1.23
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	5	1.23
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	6	1.23
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	6	1.23
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	6	1.23
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	2	1.23
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	2	1.23
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	2	1.23
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	5	1.23
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	5	1.23
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	5	1.23
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	7	1.23
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	7	1.23
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	7	1.23
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	7	1.23
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	7	1.23
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	7	1.23
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	7	1.23
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	7	1.23
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	7	1.23
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	16	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	16	1.23
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	16	1.23
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	16	1.23
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	16	1.23
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	16	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	3	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	3	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	3	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	3	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	3	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	3	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	3	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	3	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	3	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	8	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	8	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	8	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	8	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	8	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	8	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	8	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	8	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	8	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	12	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	12	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	12	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	12	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	12	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	12	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	12	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	12	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	12	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	17	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	17	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	17	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	17	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	17	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	17	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	17	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	17	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	17	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	19	1.23
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	19	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	19	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	19	1.23
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	19	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	19	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	19	1.23
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	19	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	7	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	7	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	7	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	7	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	7	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	7	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	7	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	7	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	7	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	11	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	11	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	11	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	11	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	11	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	11	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	11	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	11	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	11	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	18	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	18	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	18	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	18	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	18	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	18	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	18	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	18	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	18	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	19	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	19	1.23
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	19	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	19	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	19	1.23
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	19	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	19	1.23
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	19	1.23
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	7	1.23
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	7	1.23
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	7	1.23
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	7	1.23
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	7	1.23
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	7	1.23
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	16	1.23
(1,1951)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	16	1.23
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	16	1.23
(1,1951)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	16	1.23
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	16	1.23
(1,1951)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	16	1.23
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	7	1.23
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	7	1.23
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	7	1.23
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	7	1.23
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	7	1.23
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	7	1.23
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	7	1.23
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	7	1.23
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	7	1.23
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	7	1.23
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	7	1.23
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	7	1.23
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	7	1.23
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	7	1.23
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	7	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	3	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	3	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	3	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	3	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	3	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	3	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	3	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	3	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	3	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	8	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	8	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	8	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	8	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	8	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	8	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	8	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	8	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	8	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	12	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	12	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	12	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	12	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	12	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	12	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	12	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	12	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	12	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	17	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	17	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	17	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	17	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	17	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	17	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	17	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	17	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	17	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	19	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	19	1.23
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	19	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	19	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	19	1.23
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	19	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	19	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	19	1.23
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	19	1.23
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	7	1.23
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	7	1.23
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	7	1.23
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	7	1.23
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	7	1.23
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	7	1.23
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	13	1.23
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	13	1.23
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	13	1.23
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	13	1.23
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	13	1.23
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	10	1.23
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	10	1.23
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	10	1.23
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	13	1.23
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	13	1.23
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	13	1.23
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	12	1.23
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	12	1.23
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	12	1.23
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	20	1.23
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	20	1.23
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	20	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	1	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	1	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	1	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	12	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	12	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	12	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	18	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	18	1.23
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	18	1.23
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	7	1.23
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	7	1.23
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	7	1.23
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	16	1.22
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	16	1.22
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	16	1.22
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	15	1.22
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	15	1.22
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	15	1.22
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	12	1.22
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	12	1.22
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	12	1.22
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	13	1.22
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	13	1.22
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	13	1.22
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	14	1.22
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	14	1.22
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	14	1.22
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	16	1.22
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	16	1.22
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	3	1.22
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	3	1.22
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	3	1.22
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	3	1.22
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	3	1.22
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	3	1.22
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	3	1.22
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	3	1.22
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	3	1.22
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	2	1.22
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	2	1.22
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	2	1.22
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	2	1.22
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	2	1.22
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	2	1.22
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	10	1.22
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	10	1.22
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	10	1.22
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	10	1.22
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	10	1.22
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	10	1.22
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	19	1.22
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	19	1.22
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	19	1.22
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	19	1.22
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	19	1.22
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	19	1.22
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	1	1.22
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	1	1.22
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	1	1.22
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	1	1.22
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	1	1.22
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	1	1.22
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	1	1.22
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	1	1.22
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	1	1.22
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	15	1.22
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	15	1.22
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	15	1.22
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	15	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	15	1.22
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	15	1.22
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	15	1.22
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	15	1.22
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	15	1.22
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	11	1.22
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	11	1.22
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	11	1.22
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	11	1.22
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	11	1.22
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	11	1.22
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	18	1.22
(1,1954)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	18	1.22
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	18	1.22
(1,1954)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	18	1.22
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	18	1.22
(1,1954)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	18	1.22
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB2	18	1.22
(1,1949)	1:119:A:VAL:HG11	1:86:A:ARG:HB3	18	1.22
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB2	18	1.22
(1,1949)	1:119:A:VAL:HG12	1:86:A:ARG:HB3	18	1.22
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB2	18	1.22
(1,1949)	1:119:A:VAL:HG13	1:86:A:ARG:HB3	18	1.22
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	1	1.22
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	1	1.22
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	1	1.22
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	1	1.22
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	1	1.22
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	1	1.22
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	17	1.22
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	17	1.22
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	17	1.22
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	17	1.22
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	17	1.22
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	17	1.22
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	3	1.22
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	3	1.22
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	3	1.22
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	3	1.22
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	3	1.22
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	3	1.22
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	3	1.22
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	3	1.22
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	1	1.22
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	1	1.22
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	1	1.22
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	1	1.22
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	1	1.22
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	1	1.22
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	1	1.22
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	1	1.22
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	1	1.22
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	15	1.22
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	15	1.22
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	15	1.22
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	15	1.22
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	15	1.22
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	15	1.22
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	15	1.22
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	15	1.22
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	15	1.22
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG11	18	1.22
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG12	18	1.22
(1,1278)	1:86:A:ARG:HB2	1:119:A:VAL:HG13	18	1.22
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG11	18	1.22
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG12	18	1.22
(1,1278)	1:86:A:ARG:HB3	1:119:A:VAL:HG13	18	1.22
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	5	1.22
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	5	1.22
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	5	1.22
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	2	1.22
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	2	1.22
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	2	1.22
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	8	1.22
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	8	1.22
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	8	1.22
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	9	1.22
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	9	1.22
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	9	1.22
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	12	1.22
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	12	1.22
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	12	1.22
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	12	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	12	1.22
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	12	1.22
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	16	1.22
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	16	1.22
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	16	1.22
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	16	1.22
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	16	1.22
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	16	1.22
(1,4147)	1:147:A:LEU:HD11	1:146:A:THR:H	4	1.21
(1,4147)	1:147:A:LEU:HD12	1:146:A:THR:H	4	1.21
(1,4147)	1:147:A:LEU:HD13	1:146:A:THR:H	4	1.21
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD11	4	1.21
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD12	4	1.21
(1,3080)	1:146:A:THR:H	1:147:A:LEU:HD13	4	1.21
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	7	1.21
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	7	1.21
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	7	1.21
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	7	1.21
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	7	1.21
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	7	1.21
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	7	1.21
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	7	1.21
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	7	1.21
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	9	1.21
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	9	1.21
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	9	1.21
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	9	1.21
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	9	1.21
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	9	1.21
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	9	1.21
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	9	1.21
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	9	1.21
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	13	1.21
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	13	1.21
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	13	1.21
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	13	1.21
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	13	1.21
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	13	1.21
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	13	1.21
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	13	1.21
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	13	1.21
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	17	1.21
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	17	1.21
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	8	1.21
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	8	1.21
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	8	1.21
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	8	1.21
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	8	1.21
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	8	1.21
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	10	1.21
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	10	1.21
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	10	1.21
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	10	1.21
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	10	1.21
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	10	1.21
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	16	1.21
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	16	1.21
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	16	1.21
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	16	1.21
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	16	1.21
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	16	1.21
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	14	1.21
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	14	1.21
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	14	1.21
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	6	1.21
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	6	1.21
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	6	1.21
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	2	1.21
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	2	1.21
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	2	1.21
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	12	1.21
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	12	1.21
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	12	1.21
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	14	1.21
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	14	1.21
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	14	1.21
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	16	1.21
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	16	1.21
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	16	1.21
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	16	1.21
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	16	1.21
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	16	1.21
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG11	18	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG12	18	1.21
(1,618)	1:87:A:TYR:HE1	1:89:A:VAL:HG13	18	1.21
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG11	18	1.21
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG12	18	1.21
(1,618)	1:87:A:TYR:HE2	1:89:A:VAL:HG13	18	1.21
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	3	1.21
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	3	1.21
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	3	1.21
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	8	1.21
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	8	1.21
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	8	1.21
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	8	1.21
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	8	1.21
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	8	1.21
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	10	1.21
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	10	1.21
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	10	1.21
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	10	1.21
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	10	1.21
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	10	1.21
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	4	1.2
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	4	1.2
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	4	1.2
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	14	1.2
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	14	1.2
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	14	1.2
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	14	1.2
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	14	1.2
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	14	1.2
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	11	1.2
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	11	1.2
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	11	1.2
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG21	3	1.2
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG22	3	1.2
(1,2062)	1:54:A:VAL:HG21	1:56:A:THR:HG23	3	1.2
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG21	3	1.2
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG22	3	1.2
(1,2062)	1:54:A:VAL:HG22	1:56:A:THR:HG23	3	1.2
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG21	3	1.2
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG22	3	1.2
(1,2062)	1:54:A:VAL:HG23	1:56:A:THR:HG23	3	1.2
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	20	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	20	1.2
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	20	1.2
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	20	1.2
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	20	1.2
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	20	1.2
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	20	1.2
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	20	1.2
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	20	1.2
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	8	1.2
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	8	1.2
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	8	1.2
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	2	1.2
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	2	1.2
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	2	1.2
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	2	1.2
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	2	1.2
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	2	1.2
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	13	1.2
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	13	1.2
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	13	1.2
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	13	1.2
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	13	1.2
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	13	1.2
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	16	1.2
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	16	1.2
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	16	1.2
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	16	1.2
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	16	1.2
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	16	1.2
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	11	1.2
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	11	1.2
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	11	1.2
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	7	1.2
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	7	1.2
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	7	1.2
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	7	1.2
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	7	1.2
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	7	1.2
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	2	1.2
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	2	1.2
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	2	1.2
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	4	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	4	1.2
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	4	1.2
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	3	1.2
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	3	1.2
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	3	1.2
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	11	1.2
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	11	1.2
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	11	1.2
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	17	1.2
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	17	1.2
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	17	1.2
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	11	1.2
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	11	1.2
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	11	1.2
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	13	1.2
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	13	1.2
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	13	1.2
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	4	1.2
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	4	1.2
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	4	1.2
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	20	1.2
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	20	1.2
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	20	1.2
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	9	1.2
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	9	1.2
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	9	1.2
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	17	1.2
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	17	1.2
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	17	1.2
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	17	1.2
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	17	1.2
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	17	1.2
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	5	1.19
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	5	1.19
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	5	1.19
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	3	1.19
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	3	1.19
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	3	1.19
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	4	1.19
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	4	1.19
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	4	1.19
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	4	1.19
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	4	1.19
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	18	1.19
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	18	1.19
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	18	1.19
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	18	1.19
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	18	1.19
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	18	1.19
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	1	1.19
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	1	1.19
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	1	1.19
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	1	1.19
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	1	1.19
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	1	1.19
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	15	1.19
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	15	1.19
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	15	1.19
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	15	1.19
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	15	1.19
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	15	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	5	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	5	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	5	1.19
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	5	1.19
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	5	1.19
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	5	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	5	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	5	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	5	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	11	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	11	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	11	1.19
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	11	1.19
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	11	1.19
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	11	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	11	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	11	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	11	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	13	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	13	1.19
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	13	1.19
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	13	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	13	1.19
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	13	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	13	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	13	1.19
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	13	1.19
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	12	1.19
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	12	1.19
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	12	1.19
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	12	1.19
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	12	1.19
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	12	1.19
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	12	1.19
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	12	1.19
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	12	1.19
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	4	1.19
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	4	1.19
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	4	1.19
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	4	1.19
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	4	1.19
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	4	1.19
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	9	1.19
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	9	1.19
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	9	1.19
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	9	1.19
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	9	1.19
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	9	1.19
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	18	1.19
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	18	1.19
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	18	1.19
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	18	1.19
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	18	1.19
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	18	1.19
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	5	1.19
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	5	1.19
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	5	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	5	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	5	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	5	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	5	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	5	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	5	1.19
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	11	1.19
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	11	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	11	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	11	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	11	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	11	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	11	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	11	1.19
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	13	1.19
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	13	1.19
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	13	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	13	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	13	1.19
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	13	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	13	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	13	1.19
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	13	1.19
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	17	1.19
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	17	1.19
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	17	1.19
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	13	1.19
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	13	1.19
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	13	1.19
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	8	1.19
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	8	1.19
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	8	1.19
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	13	1.19
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	13	1.19
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	13	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	6	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	6	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	6	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	8	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	8	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	8	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	13	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	13	1.19
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	13	1.19
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	6	1.19
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	6	1.19
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	6	1.19
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	5	1.19
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	5	1.19
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	8	1.19
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	8	1.19
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	8	1.19
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	16	1.18
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	16	1.18
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	16	1.18
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	3	1.18
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	3	1.18
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	3	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	4	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	4	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	4	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	4	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	4	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	4	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	4	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	4	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	4	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	6	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	6	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	6	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	6	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	6	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	6	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	6	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	6	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	6	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	13	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	13	1.18
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	13	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	13	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	13	1.18
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	13	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	13	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	13	1.18
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	13	1.18
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	7	1.18
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	7	1.18
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	7	1.18
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	7	1.18
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	7	1.18
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	11	1.18
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	11	1.18
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	11	1.18
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	11	1.18
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	11	1.18
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	11	1.18
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	20	1.18
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	20	1.18
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	20	1.18
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	20	1.18
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	20	1.18
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	20	1.18
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	16	1.18
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	16	1.18
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	16	1.18
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	16	1.18
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	16	1.18
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	16	1.18
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	16	1.18
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	16	1.18
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	16	1.18
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	20	1.18
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	20	1.18
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	20	1.18
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	20	1.18
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	20	1.18
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	20	1.18
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	20	1.18
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	20	1.18
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	20	1.18
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	3	1.18
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	3	1.18
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	3	1.18
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	3	1.18
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	3	1.18
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	3	1.18
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	3	1.18
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	3	1.18
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	3	1.18
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	2	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	2	1.18
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	2	1.18
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	2	1.18
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	2	1.18
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	2	1.18
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	18	1.18
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	18	1.18
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	18	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	4	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	4	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	4	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	4	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	4	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	4	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	4	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	4	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	4	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	6	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	6	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	6	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	6	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	6	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	6	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	6	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	6	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	6	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	13	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	13	1.18
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	13	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	13	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	13	1.18
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	13	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	13	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	13	1.18
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	13	1.18
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	16	1.18
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	16	1.18
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	16	1.18
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	16	1.18
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	16	1.18
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	16	1.18
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	16	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	16	1.18
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	16	1.18
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	20	1.18
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	20	1.18
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	20	1.18
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	20	1.18
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	20	1.18
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	20	1.18
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	20	1.18
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	20	1.18
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	20	1.18
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	3	1.18
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	3	1.18
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	3	1.18
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	6	1.18
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	6	1.18
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	6	1.18
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	5	1.18
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	5	1.18
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	5	1.18
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	17	1.18
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	17	1.18
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	17	1.18
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	14	1.18
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	14	1.18
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	14	1.18
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	6	1.18
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	6	1.18
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	6	1.18
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	6	1.18
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	6	1.18
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	6	1.18
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	14	1.17
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	14	1.17
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	14	1.17
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	20	1.17
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	20	1.17
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	20	1.17
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	20	1.17
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	20	1.17
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	20	1.17
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	8	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	8	1.17
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	8	1.17
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	8	1.17
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	8	1.17
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	8	1.17
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	12	1.17
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	12	1.17
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	12	1.17
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	12	1.17
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	12	1.17
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	12	1.17
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	13	1.17
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	13	1.17
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	13	1.17
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	13	1.17
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	13	1.17
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	13	1.17
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	17	1.17
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	17	1.17
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	17	1.17
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	17	1.17
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	17	1.17
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	17	1.17
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	9	1.17
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	9	1.17
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	9	1.17
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	12	1.17
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	12	1.17
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	12	1.17
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	12	1.17
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	12	1.17
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	12	1.17
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	13	1.17
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	13	1.17
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	13	1.17
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	15	1.17
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	15	1.17
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	15	1.17
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	16	1.17
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	16	1.17
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	16	1.17
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	12	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	12	1.17
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	12	1.17
(1,1565)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	12	1.17
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	12	1.17
(1,1565)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	12	1.17
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	11	1.17
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	11	1.17
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	11	1.17
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	16	1.17
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	16	1.17
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	16	1.17
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	19	1.17
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	19	1.17
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	19	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	3	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	3	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	3	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	4	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	4	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	4	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	6	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	6	1.17
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	6	1.17
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	2	1.17
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	2	1.17
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	2	1.17
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	2	1.17
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	2	1.17
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	2	1.17
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	2	1.17
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	2	1.17
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	2	1.17
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	2	1.17
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	2	1.17
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	2	1.17
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG21	6	1.17
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG22	6	1.17
(1,627)	1:90:A:ILE:H	1:89:A:VAL:HG23	6	1.17
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	2	1.17
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	2	1.17
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	2	1.17
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	14	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	14	1.17
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	14	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	1	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	1	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	1	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	4	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	4	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	4	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	12	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	12	1.17
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	12	1.17
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	7	1.17
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	7	1.17
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	7	1.17
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	19	1.17
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	19	1.17
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	19	1.17
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	1	1.17
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	1	1.17
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	1	1.17
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD11	1	1.17
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD12	1	1.17
(1,548)	1:48:A:GLN:HE21	1:45:A:LEU:HD13	1	1.17
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD11	1	1.17
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD12	1	1.17
(1,548)	1:48:A:GLN:HE22	1:45:A:LEU:HD13	1	1.17
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	9	1.16
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	9	1.16
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	9	1.16
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	15	1.16
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	15	1.16
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	15	1.16
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	14	1.16
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	14	1.16
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	14	1.16
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	14	1.16
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	14	1.16
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	14	1.16
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	14	1.16
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	14	1.16
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	14	1.16
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	6	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	6	1.16
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	6	1.16
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	6	1.16
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	6	1.16
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	6	1.16
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	2	1.16
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	2	1.16
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	2	1.16
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	2	1.16
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	2	1.16
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	2	1.16
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	9	1.16
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	9	1.16
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	9	1.16
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	9	1.16
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	9	1.16
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	9	1.16
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	14	1.16
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	14	1.16
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	14	1.16
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	14	1.16
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	14	1.16
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	14	1.16
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	2	1.16
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	2	1.16
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	2	1.16
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	10	1.16
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	10	1.16
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	10	1.16
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD11	15	1.16
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD12	15	1.16
(1,2426)	1:19:A:ALA:HA	1:53:A:LEU:HD13	15	1.16
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	4	1.16
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	4	1.16
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	4	1.16
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	4	1.16
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	4	1.16
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	4	1.16
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	4	1.16
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	4	1.16
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	4	1.16
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	10	1.16
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	10	1.16
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	10	1.16
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	10	1.16
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	10	1.16
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	10	1.16
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	10	1.16
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	10	1.16
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	17	1.16
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	17	1.16
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	17	1.16
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	17	1.16
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	17	1.16
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	17	1.16
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	4	1.16
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	4	1.16
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	4	1.16
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	19	1.16
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	19	1.16
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	19	1.16
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	12	1.16
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	12	1.16
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	12	1.16
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	14	1.16
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	14	1.16
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	14	1.16
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	14	1.16
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	14	1.16
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	14	1.16
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	14	1.16
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	14	1.16
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	14	1.16
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	4	1.16
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	4	1.16
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	4	1.16
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	4	1.16
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	4	1.16
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	4	1.16
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	4	1.16
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	4	1.16
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	4	1.16
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	10	1.16
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	10	1.16
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	10	1.16
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	10	1.16
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	10	1.16
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	10	1.16
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	10	1.16
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	10	1.16
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	17	1.16
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	17	1.16
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	17	1.16
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	20	1.16
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	20	1.16
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	20	1.16
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	12	1.16
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	12	1.16
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	12	1.16
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	4	1.16
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	4	1.16
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	4	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	9	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	9	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	9	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	14	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	14	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	14	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	19	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	19	1.16
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	19	1.16
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	5	1.16
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	5	1.16
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	5	1.16
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	19	1.16
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	19	1.16
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	19	1.16
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	5	1.16
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	5	1.16
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	5	1.16
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	10	1.16
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	10	1.16
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	10	1.16
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	1	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	1	1.16
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	1	1.16
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	1	1.16
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	1	1.16
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	1	1.16
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	4	1.15
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	4	1.15
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	4	1.15
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	10	1.15
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	10	1.15
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	10	1.15
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	7	1.15
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	7	1.15
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	7	1.15
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	16	1.15
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	16	1.15
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	16	1.15
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	4	1.15
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	4	1.15
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	4	1.15
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	12	1.15
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	12	1.15
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	12	1.15
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	12	1.15
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	12	1.15
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	12	1.15
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	12	1.15
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	12	1.15
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	12	1.15
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	8	1.15
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	8	1.15
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	8	1.15
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	8	1.15
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	8	1.15
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	8	1.15
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	6	1.15
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	6	1.15
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	6	1.15
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	6	1.15
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	6	1.15
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	6	1.15
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	10	1.15
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	10	1.15
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	10	1.15
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	10	1.15
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	10	1.15
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	19	1.15
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	19	1.15
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	19	1.15
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	19	1.15
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	19	1.15
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	19	1.15
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	11	1.15
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	11	1.15
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	11	1.15
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	7	1.15
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	7	1.15
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	7	1.15
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	7	1.15
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	7	1.15
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	7	1.15
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	7	1.15
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	7	1.15
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	7	1.15
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	17	1.15
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	17	1.15
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	17	1.15
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	17	1.15
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	17	1.15
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	17	1.15
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	17	1.15
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	17	1.15
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	17	1.15
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	6	1.15
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	6	1.15
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	6	1.15
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	6	1.15
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	6	1.15
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	6	1.15
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	17	1.15
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	17	1.15
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	17	1.15
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	17	1.15
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	17	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	2	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	2	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	2	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	2	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	2	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	2	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	2	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	2	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	2	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	6	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	6	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	6	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	6	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	6	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	6	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	6	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	6	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	6	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG21	14	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG22	14	1.15
(1,2027)	1:25:A:ILE:HG21	1:141:A:VAL:HG23	14	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG21	14	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG22	14	1.15
(1,2027)	1:25:A:ILE:HG22	1:141:A:VAL:HG23	14	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG21	14	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG22	14	1.15
(1,2027)	1:25:A:ILE:HG23	1:141:A:VAL:HG23	14	1.15
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	13	1.15
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	13	1.15
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	13	1.15
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	13	1.15
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	13	1.15
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	13	1.15
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	3	1.15
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	3	1.15
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	3	1.15
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	2	1.15
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	2	1.15
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	2	1.15
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	15	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	15	1.15
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	15	1.15
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	20	1.15
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	20	1.15
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	20	1.15
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	12	1.15
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	12	1.15
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	12	1.15
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	12	1.15
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	12	1.15
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	12	1.15
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	12	1.15
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	12	1.15
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	12	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	2	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	2	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	2	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	2	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	2	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	2	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	2	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	2	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	2	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	6	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	6	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	6	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	6	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	6	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	6	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	6	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	6	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	6	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG21	14	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG22	14	1.15
(1,1287)	1:141:A:VAL:HG21	1:25:A:ILE:HG23	14	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG21	14	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG22	14	1.15
(1,1287)	1:141:A:VAL:HG22	1:25:A:ILE:HG23	14	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG21	14	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG22	14	1.15
(1,1287)	1:141:A:VAL:HG23	1:25:A:ILE:HG23	14	1.15
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	18	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	18	1.15
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	18	1.15
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	15	1.15
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	15	1.15
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	15	1.15
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	20	1.15
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	20	1.15
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	20	1.15
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	17	1.15
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	17	1.15
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	17	1.15
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	10	1.15
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	10	1.15
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	10	1.15
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	1	1.15
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	1	1.15
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	1	1.15
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	9	1.15
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	9	1.15
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	9	1.15
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	13	1.15
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	13	1.15
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	13	1.15
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	5	1.14
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	5	1.14
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	5	1.14
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	13	1.14
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	13	1.14
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	13	1.14
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	13	1.14
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	13	1.14
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	13	1.14
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	5	1.14
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	5	1.14
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	5	1.14
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	5	1.14
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	5	1.14
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	5	1.14
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	11	1.14
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	11	1.14
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	11	1.14
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	11	1.14
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	11	1.14
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	15	1.14
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	15	1.14
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	15	1.14
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	3	1.14
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	3	1.14
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	3	1.14
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	3	1.14
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	3	1.14
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	3	1.14
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	3	1.14
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	3	1.14
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	3	1.14
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	12	1.14
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	12	1.14
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	12	1.14
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	12	1.14
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	12	1.14
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	12	1.14
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	12	1.14
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	12	1.14
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	12	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	6	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	6	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	6	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	6	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	6	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	6	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	6	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	6	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	6	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	10	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	10	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	10	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	10	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	10	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	10	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	10	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	10	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	10	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	14	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	14	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	14	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	14	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	14	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	14	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	14	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	14	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	14	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	16	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	16	1.14
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	16	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	16	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	16	1.14
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	16	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	16	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	16	1.14
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	16	1.14
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	2	1.14
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	2	1.14
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	2	1.14
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	4	1.14
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	4	1.14
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	4	1.14
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	4	1.14
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	4	1.14
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	4	1.14
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	10	1.14
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	10	1.14
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	10	1.14
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	14	1.14
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	14	1.14
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	14	1.14
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	6	1.14
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	6	1.14
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	6	1.14
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	17	1.14
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	17	1.14
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	17	1.14
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	18	1.14
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	18	1.14
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	18	1.14
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	2	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	2	1.14
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	2	1.14
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	1	1.14
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	1	1.14
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	1	1.14
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	10	1.14
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	10	1.14
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	10	1.14
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	1	1.14
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	1	1.14
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	1	1.14
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	3	1.14
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	3	1.14
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	3	1.14
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	15	1.14
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	15	1.14
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	15	1.14
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	16	1.14
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	16	1.14
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	16	1.14
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	7	1.14
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	7	1.14
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	7	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	2	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	2	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	2	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	12	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	12	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	12	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	14	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	14	1.14
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	14	1.14
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	17	1.14
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	17	1.14
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	17	1.14
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	17	1.14
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	17	1.14
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	17	1.14
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	20	1.13
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	20	1.13
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	20	1.13
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	2	1.13
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	2	1.13
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	1	1.13
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	1	1.13
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	1	1.13
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	10	1.13
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	10	1.13
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	10	1.13
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	15	1.13
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	15	1.13
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	15	1.13
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	15	1.13
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	15	1.13
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	15	1.13
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	18	1.13
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	18	1.13
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	18	1.13
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	19	1.13
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	19	1.13
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	19	1.13
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	5	1.13
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	5	1.13
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	5	1.13
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	6	1.13
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	6	1.13
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	6	1.13
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	11	1.13
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	11	1.13
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	11	1.13
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	16	1.13
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	16	1.13
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	16	1.13
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	19	1.13
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	19	1.13
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	19	1.13
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	19	1.13
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	19	1.13
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	19	1.13
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	18	1.13
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	18	1.13
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	18	1.13
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	19	1.13
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	19	1.13
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	16	1.13
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	16	1.13
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	16	1.13
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	15	1.13
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	15	1.13
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	15	1.13
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	16	1.13
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	16	1.13
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	16	1.13
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	20	1.13
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	20	1.13
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	20	1.13
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	1	1.13
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	1	1.13
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	1	1.13
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	10	1.13
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	10	1.13
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	10	1.13
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	5	1.13
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	5	1.13
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	5	1.13
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	2	1.13
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	2	1.13
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	2	1.13
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	17	1.13
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	17	1.13
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	17	1.13
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	11	1.12
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	11	1.12
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	11	1.12
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	9	1.12
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	9	1.12
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	9	1.12
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	9	1.12
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	9	1.12
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	9	1.12
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	12	1.12
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	12	1.12
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	12	1.12
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	12	1.12
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	12	1.12
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	16	1.12
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	16	1.12
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	16	1.12
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	16	1.12
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	16	1.12
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	16	1.12
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	16	1.12
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	16	1.12
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	16	1.12
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	8	1.12
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	8	1.12
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	8	1.12
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	8	1.12
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	8	1.12
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	8	1.12
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	8	1.12
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	8	1.12
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	8	1.12
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	18	1.12
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	18	1.12
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	18	1.12
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	18	1.12
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	18	1.12
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	18	1.12
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	18	1.12
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	18	1.12
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	18	1.12
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	7	1.12
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	7	1.12
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	7	1.12
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	7	1.12
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	7	1.12
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	7	1.12
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	7	1.12
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	7	1.12
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	7	1.12
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	11	1.12
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	11	1.12
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	11	1.12
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	17	1.12
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	17	1.12
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	16	1.12
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	16	1.12
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	16	1.12
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	16	1.12
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	16	1.12
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	16	1.12
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	16	1.12
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	16	1.12
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	16	1.12
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	1	1.12
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	1	1.12
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	1	1.12
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	1	1.12
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	1	1.12
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	1	1.12
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	7	1.12
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	7	1.12
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	7	1.12
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	8	1.12
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	8	1.12
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	8	1.12
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	16	1.12
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	16	1.12
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	16	1.12
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	3	1.12
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	3	1.12
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	3	1.12
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	19	1.12
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	19	1.12
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	19	1.12
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	11	1.12
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	11	1.12
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	11	1.12
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	17	1.12
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	17	1.12
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	17	1.12
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	7	1.12
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	7	1.12
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	7	1.12
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	8	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	8	1.12
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	8	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	8	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	8	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	8	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	11	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	11	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	11	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	13	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	13	1.12
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	13	1.12
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	18	1.12
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	18	1.12
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	18	1.12
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	9	1.12
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	9	1.12
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	9	1.12
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	11	1.12
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	11	1.12
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	11	1.12
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	11	1.12
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	11	1.12
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	11	1.12
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	20	1.12
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	20	1.12
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	20	1.12
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	15	1.12
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	15	1.12
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	15	1.12
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	2	1.12
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	2	1.12
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	2	1.12
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	1	1.11
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	1	1.11
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	1	1.11
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	8	1.11
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	8	1.11
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	8	1.11
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	6	1.11
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	6	1.11
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	6	1.11
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	7	1.11
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	7	1.11
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	17	1.11
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	17	1.11
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	17	1.11
(1,3493)	1:85:A:LEU:HD21	1:52:A:VAL:H	14	1.11
(1,3493)	1:85:A:LEU:HD22	1:52:A:VAL:H	14	1.11
(1,3493)	1:85:A:LEU:HD23	1:52:A:VAL:H	14	1.11
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	2	1.11
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	2	1.11
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	2	1.11
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	2	1.11
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	2	1.11
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	2	1.11
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	2	1.11
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	2	1.11
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	2	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	1	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	1	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	1	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	1	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	1	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	1	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	1	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	1	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	1	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	9	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	9	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	9	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	9	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	9	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	9	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	9	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	9	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	9	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	10	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	10	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	10	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	10	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	10	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	10	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	10	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	10	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	10	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	16	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	16	1.11
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	16	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	16	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	16	1.11
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	16	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	16	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	16	1.11
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	16	1.11
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	3	1.11
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	3	1.11
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	3	1.11
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	3	1.11
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	3	1.11
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	3	1.11
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	7	1.11
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	7	1.11
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	7	1.11
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	12	1.11
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	12	1.11
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	12	1.11
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	1	1.11
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	1	1.11
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	1	1.11
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	6	1.11
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	6	1.11
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	6	1.11
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	2	1.11
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	2	1.11
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	2	1.11
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	1	1.11
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	1	1.11
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	1	1.11
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	6	1.11
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	6	1.11
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	6	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	2	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	2	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	2	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	4	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	4	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	6	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	6	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	6	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	9	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	9	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	9	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	10	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	10	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	10	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	12	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	12	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	12	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	17	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	17	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	17	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	18	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	18	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	18	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	19	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	19	1.11
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	19	1.11
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	5	1.11
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	5	1.11
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	5	1.11
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	20	1.11
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	20	1.11
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	20	1.11
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	1	1.11
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	1	1.11
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	1	1.11
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	8	1.11
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	8	1.11
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	8	1.11
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	7	1.11
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	7	1.11
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	7	1.11
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	17	1.11
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	17	1.11
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	17	1.11
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	11	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	11	1.11
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	11	1.11
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	14	1.11
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	14	1.11
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	14	1.11
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	4	1.11
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	4	1.11
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	4	1.11
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	11	1.11
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	11	1.11
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	11	1.11
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	15	1.11
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	15	1.11
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	15	1.11
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	15	1.11
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	15	1.11
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	15	1.11
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	2	1.1
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	2	1.1
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	2	1.1
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	8	1.1
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	8	1.1
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	8	1.1
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	18	1.1
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	18	1.1
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	18	1.1
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	15	1.1
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	15	1.1
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	15	1.1
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	15	1.1
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	15	1.1
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	15	1.1
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	1	1.1
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	1	1.1
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	1	1.1
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	1	1.1
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	1	1.1
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	1	1.1
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB2	7	1.1
(1,2584)	1:35:A:VAL:HG21	1:36:A:PHE:HB3	7	1.1
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB2	7	1.1
(1,2584)	1:35:A:VAL:HG22	1:36:A:PHE:HB3	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB2	7	1.1
(1,2584)	1:35:A:VAL:HG23	1:36:A:PHE:HB3	7	1.1
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG21	18	1.1
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG22	18	1.1
(1,2444)	1:123:A:LEU:HG	1:18:A:VAL:HG23	18	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	5	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	5	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	5	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	5	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	5	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	5	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	5	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	5	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	5	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	13	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	13	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	13	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	13	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	13	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	13	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	13	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	13	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	13	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	14	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	14	1.1
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	14	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	14	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	14	1.1
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	14	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	14	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	14	1.1
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	14	1.1
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	1	1.1
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	1	1.1
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	1	1.1
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	7	1.1
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	7	1.1
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	7	1.1
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	12	1.1
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	12	1.1
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	12	1.1
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	11	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	11	1.1
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	11	1.1
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	12	1.1
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	12	1.1
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	12	1.1
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	15	1.1
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	15	1.1
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	15	1.1
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	15	1.1
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	15	1.1
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	15	1.1
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	2	1.1
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	2	1.1
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	2	1.1
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	18	1.1
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	18	1.1
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	18	1.1
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	15	1.1
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	15	1.1
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	15	1.1
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	15	1.1
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	15	1.1
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	15	1.1
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	15	1.1
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	15	1.1
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	15	1.1
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	15	1.1
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	15	1.1
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	15	1.1
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	15	1.1
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	15	1.1
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	15	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	1	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	1	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	1	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	7	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	7	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	7	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	12	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	12	1.1
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	12	1.1
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	18	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	18	1.1
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	18	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	1	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	1	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	1	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	3	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	3	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	3	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	5	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	5	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	5	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	7	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	7	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	7	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	14	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	14	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	14	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	15	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	15	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	15	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	16	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	16	1.1
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	16	1.1
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	2	1.1
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	2	1.1
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	2	1.1
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	14	1.1
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	14	1.1
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	14	1.1
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	16	1.1
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	16	1.1
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	16	1.1
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	2	1.1
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	2	1.1
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	2	1.1
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	20	1.1
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	20	1.1
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	20	1.1
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	16	1.1
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	16	1.1
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	16	1.1
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	4	1.1
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	4	1.1
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	13	1.1
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	13	1.1
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	13	1.1
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	9	1.1
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	9	1.1
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	9	1.1
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	16	1.1
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	16	1.1
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	16	1.1
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	18	1.1
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	18	1.1
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	18	1.1
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	12	1.1
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	12	1.1
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	12	1.1
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	20	1.1
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	20	1.1
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	20	1.1
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	5	1.1
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	5	1.1
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	5	1.1
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	5	1.1
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	5	1.1
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	5	1.1
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	17	1.09
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	17	1.09
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	17	1.09
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	4	1.09
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	4	1.09
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	4	1.09
(1,3915)	1:119:A:VAL:HG21	1:120:A:GLY:H	19	1.09
(1,3915)	1:119:A:VAL:HG22	1:120:A:GLY:H	19	1.09
(1,3915)	1:119:A:VAL:HG23	1:120:A:GLY:H	19	1.09
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	6	1.09
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	6	1.09
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	6	1.09
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	9	1.09
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	9	1.09
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	9	1.09
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	16	1.09
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	16	1.09
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	16	1.09
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	16	1.09
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	16	1.09
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	16	1.09
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	16	1.09
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	16	1.09
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	1	1.09
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	1	1.09
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	1	1.09
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	1	1.09
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	1	1.09
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	1	1.09
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	5	1.09
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	5	1.09
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	5	1.09
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	5	1.09
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	5	1.09
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	5	1.09
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	5	1.09
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	5	1.09
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	5	1.09
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	8	1.09
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	8	1.09
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	8	1.09
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	2	1.09
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	2	1.09
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	2	1.09
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	2	1.09
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	2	1.09
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	2	1.09
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	2	1.09
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	2	1.09
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	2	1.09
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	19	1.09
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	19	1.09
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	19	1.09
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	9	1.09
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	9	1.09
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	9	1.09
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	10	1.09
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	10	1.09
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	4	1.09
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	4	1.09
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	4	1.09
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	17	1.09
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	17	1.09
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	17	1.09
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	16	1.09
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	16	1.09
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	16	1.09
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	16	1.09
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	16	1.09
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	16	1.09
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	16	1.09
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	16	1.09
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	16	1.09
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	15	1.09
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	15	1.09
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	15	1.09
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	15	1.09
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	15	1.09
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	15	1.09
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	19	1.09
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	19	1.09
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	19	1.09
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	4	1.09
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	4	1.09
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	4	1.09
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	17	1.09
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	17	1.09
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	17	1.09
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD11	20	1.09
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD12	20	1.09
(1,959)	1:45:A:LEU:HA	1:45:A:LEU:HD13	20	1.09
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	10	1.09
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	10	1.09
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	10	1.09
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	7	1.09
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	7	1.09
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	7	1.09
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	17	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	17	1.09
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	17	1.09
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	6	1.09
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	6	1.09
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	6	1.09
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	3	1.09
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	3	1.09
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	3	1.09
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	4	1.09
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	4	1.09
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	4	1.09
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	8	1.09
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	8	1.09
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	8	1.09
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	4	1.08
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	4	1.08
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	4	1.08
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	4	1.08
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	4	1.08
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	4	1.08
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	12	1.08
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	12	1.08
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	12	1.08
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	20	1.08
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	20	1.08
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	20	1.08
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	18	1.08
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	18	1.08
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	18	1.08
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	18	1.08
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	18	1.08
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	18	1.08
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	18	1.08
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	18	1.08
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	18	1.08
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	17	1.08
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	17	1.08
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	17	1.08
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	17	1.08
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	17	1.08
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	17	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	7	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	7	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	7	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	7	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	7	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	7	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	7	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	7	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	7	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	11	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	11	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	11	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	11	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	11	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	11	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	11	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	11	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	11	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	19	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	19	1.08
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	19	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	19	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	19	1.08
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	19	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	19	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	19	1.08
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	19	1.08
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	2	1.08
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	2	1.08
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	2	1.08
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	2	1.08
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	2	1.08
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	2	1.08
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	2	1.08
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	2	1.08
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	2	1.08
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	11	1.08
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	11	1.08
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	11	1.08
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	11	1.08
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	11	1.08
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	11	1.08
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	11	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	11	1.08
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	11	1.08
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	9	1.08
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	9	1.08
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	9	1.08
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	4	1.08
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	4	1.08
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	4	1.08
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	4	1.08
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	4	1.08
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	4	1.08
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	18	1.08
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	18	1.08
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	18	1.08
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	18	1.08
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	18	1.08
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	18	1.08
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	13	1.08
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	13	1.08
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	13	1.08
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	4	1.08
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	4	1.08
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	4	1.08
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	7	1.08
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	7	1.08
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	7	1.08
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	10	1.08
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	10	1.08
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	10	1.08
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	18	1.08
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	18	1.08
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	18	1.08
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	18	1.08
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	18	1.08
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	18	1.08
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	18	1.08
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	18	1.08
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	18	1.08
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	5	1.08
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	5	1.08
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	5	1.08
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	10	1.08
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	10	1.08
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	4	1.08
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	4	1.08
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	4	1.08
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	7	1.08
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	7	1.08
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	7	1.08
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	1	1.08
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	1	1.08
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	1	1.08
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD11	7	1.08
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD12	7	1.08
(1,940)	1:124:A:LEU:HA	1:124:A:LEU:HD13	7	1.08
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	17	1.08
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	17	1.08
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	17	1.08
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	4	1.08
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	4	1.08
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	4	1.08
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	12	1.08
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	12	1.08
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	12	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	2	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	2	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	2	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	4	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	4	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	4	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	13	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	13	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	13	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	15	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	15	1.08
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	15	1.08
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	11	1.08
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	11	1.08
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	11	1.08
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	8	1.08
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	8	1.08
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	8	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	11	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	11	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	11	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	17	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	17	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	17	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	19	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	19	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	19	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	20	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	20	1.08
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	20	1.08
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	7	1.08
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	7	1.08
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	7	1.08
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	12	1.08
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	12	1.08
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	12	1.08
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	19	1.08
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	19	1.08
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	19	1.08
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	20	1.08
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	20	1.08
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	20	1.08
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	5	1.08
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	5	1.08
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	5	1.08
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	13	1.08
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	13	1.08
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	13	1.08
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	9	1.07
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	9	1.07
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	9	1.07
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	7	1.07
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	7	1.07
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	7	1.07
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	1	1.07
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	1	1.07
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	1	1.07
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	1	1.07
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	1	1.07
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	1	1.07
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	1	1.07
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	1	1.07
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	4	1.07
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	4	1.07
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	4	1.07
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	4	1.07
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	4	1.07
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	4	1.07
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	4	1.07
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	4	1.07
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	4	1.07
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	1	1.07
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	1	1.07
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	1	1.07
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	17	1.07
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	17	1.07
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	17	1.07
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	17	1.07
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	17	1.07
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	17	1.07
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	17	1.07
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	17	1.07
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	17	1.07
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	3	1.07
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	3	1.07
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	3	1.07
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	3	1.07
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	3	1.07
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	3	1.07
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	11	1.07
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	11	1.07
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	11	1.07
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	17	1.07
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	17	1.07
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	17	1.07
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	17	1.07
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	17	1.07
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	17	1.07
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	17	1.07
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	17	1.07
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	17	1.07
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	6	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	6	1.07
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	6	1.07
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	16	1.07
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	16	1.07
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	16	1.07
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	9	1.07
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	9	1.07
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	9	1.07
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	17	1.07
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	17	1.07
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	17	1.07
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	17	1.07
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	17	1.07
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	17	1.07
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	11	1.07
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	11	1.07
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	11	1.07
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG11	18	1.07
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG12	18	1.07
(1,1202)	1:117:A:GLN:HB2	1:119:A:VAL:HG13	18	1.07
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG11	18	1.07
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG12	18	1.07
(1,1202)	1:117:A:GLN:HB3	1:119:A:VAL:HG13	18	1.07
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	9	1.07
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	9	1.07
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	9	1.07
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	6	1.07
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	6	1.07
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	6	1.07
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	16	1.07
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	16	1.07
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	16	1.07
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	4	1.07
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	4	1.07
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	4	1.07
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	20	1.07
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	20	1.07
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	20	1.07
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	9	1.07
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	9	1.07
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	9	1.07
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	18	1.07
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	18	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	5	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	5	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	5	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	10	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	10	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	10	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	14	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	14	1.07
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	14	1.07
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	2	1.07
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	2	1.07
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	2	1.07
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	13	1.07
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	13	1.07
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	13	1.07
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	13	1.07
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	13	1.07
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	13	1.07
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	10	1.07
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	10	1.07
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	10	1.07
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	11	1.07
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	11	1.07
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	11	1.07
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	9	1.07
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	9	1.07
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	9	1.07
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	9	1.07
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	9	1.07
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	9	1.07
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	18	1.06
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	18	1.06
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	18	1.06
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	13	1.06
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	13	1.06
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	13	1.06
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	19	1.06
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	19	1.06
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	19	1.06
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	1	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	1	1.06
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	1	1.06
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	2	1.06
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	2	1.06
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	2	1.06
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	15	1.06
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	15	1.06
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	15	1.06
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	8	1.06
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	8	1.06
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	8	1.06
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	8	1.06
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	8	1.06
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	8	1.06
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	9	1.06
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	9	1.06
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	9	1.06
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	9	1.06
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	9	1.06
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	9	1.06
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	16	1.06
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	16	1.06
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	16	1.06
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	16	1.06
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	16	1.06
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	16	1.06
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	16	1.06
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	16	1.06
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	16	1.06
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	1	1.06
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	1	1.06
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	1	1.06
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	1	1.06
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	1	1.06
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	1	1.06
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	5	1.06
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	5	1.06
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	5	1.06
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	5	1.06
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	5	1.06
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	5	1.06
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	5	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	5	1.06
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	5	1.06
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	13	1.06
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	13	1.06
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	13	1.06
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	13	1.06
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	13	1.06
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	13	1.06
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	13	1.06
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	13	1.06
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	13	1.06
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	5	1.06
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	5	1.06
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	5	1.06
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	5	1.06
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	5	1.06
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	5	1.06
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	7	1.06
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	7	1.06
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	7	1.06
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	7	1.06
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	7	1.06
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	7	1.06
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	1	1.06
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	1	1.06
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	1	1.06
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	8	1.06
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	8	1.06
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	8	1.06
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	1	1.06
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	1	1.06
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	1	1.06
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	1	1.06
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	1	1.06
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	1	1.06
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	8	1.06
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	8	1.06
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	8	1.06
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	8	1.06
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	8	1.06
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	8	1.06
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	9	1.06
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	9	1.06
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	9	1.06
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	9	1.06
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	9	1.06
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	8	1.06
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	8	1.06
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	8	1.06
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	19	1.06
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	19	1.06
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	19	1.06
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	1	1.06
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	1	1.06
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	1	1.06
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	1	1.06
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	1	1.06
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	1	1.06
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	14	1.06
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	14	1.06
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	14	1.06
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	8	1.06
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	8	1.06
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	8	1.06
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	8	1.06
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	8	1.06
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	8	1.06
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	9	1.06
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	9	1.06
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	9	1.06
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	9	1.06
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	9	1.06
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	9	1.06
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	8	1.06
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	8	1.06
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	8	1.06
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	8	1.06
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	8	1.06
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	8	1.06
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	9	1.06
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	9	1.06
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	9	1.06
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	9	1.06
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	9	1.06
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	12	1.06
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	12	1.06
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	12	1.06
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	19	1.06
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	19	1.06
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	19	1.06
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	8	1.06
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	8	1.06
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	8	1.06
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	20	1.06
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	20	1.06
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	20	1.06
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	20	1.06
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	20	1.06
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	20	1.06
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	20	1.06
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	20	1.06
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	20	1.06
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	20	1.06
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	20	1.06
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	20	1.06
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	8	1.06
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	8	1.06
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	8	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	13	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	13	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	13	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	19	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	19	1.06
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	19	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	6	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	6	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	6	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	9	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	9	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	9	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	16	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	16	1.06
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	16	1.06
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	2	1.06
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	2	1.06
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	12	1.06
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	12	1.06
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	12	1.06
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	14	1.06
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	14	1.06
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	14	1.06
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	4	1.06
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	4	1.06
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	4	1.06
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	5	1.06
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	5	1.06
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	5	1.06
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	12	1.06
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	12	1.06
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	12	1.06
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	11	1.05
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	11	1.05
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	11	1.05
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	12	1.05
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	12	1.05
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	12	1.05
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	16	1.05
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	16	1.05
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	16	1.05
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	19	1.05
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	19	1.05
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	19	1.05
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	5	1.05
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	5	1.05
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	5	1.05
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	16	1.05
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	16	1.05
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	16	1.05
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	8	1.05
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	8	1.05
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	8	1.05
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	10	1.05
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	10	1.05
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	10	1.05
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	17	1.05
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	17	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	9	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	9	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	9	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	9	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	9	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	9	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	17	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	17	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	17	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	17	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	17	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	17	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	19	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	19	1.05
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	19	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	19	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	19	1.05
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	19	1.05
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	3	1.05
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	3	1.05
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	3	1.05
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	3	1.05
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	3	1.05
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	3	1.05
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	3	1.05
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	3	1.05
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	3	1.05
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	15	1.05
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	15	1.05
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	15	1.05
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	15	1.05
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	15	1.05
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	15	1.05
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	15	1.05
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	15	1.05
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	15	1.05
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	4	1.05
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	4	1.05
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	4	1.05
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	10	1.05
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	10	1.05
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	13	1.05
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	13	1.05
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	13	1.05
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	20	1.05
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	20	1.05
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	20	1.05
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	10	1.05
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	10	1.05
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	10	1.05
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	10	1.05
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	10	1.05
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	10	1.05
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	11	1.05
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	11	1.05
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	11	1.05
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	11	1.05
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	11	1.05
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	11	1.05
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	12	1.05
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	12	1.05
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	12	1.05
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	12	1.05
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	12	1.05
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	12	1.05
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	10	1.05
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	10	1.05
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	10	1.05
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	14	1.05
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	14	1.05
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	14	1.05
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	14	1.05
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	14	1.05
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	14	1.05
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	14	1.05
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	14	1.05
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	14	1.05
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	18	1.05
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	18	1.05
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	18	1.05
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	18	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	18	1.05
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	18	1.05
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	18	1.05
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	18	1.05
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	18	1.05
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	6	1.05
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	6	1.05
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	6	1.05
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	6	1.05
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	6	1.05
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	6	1.05
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	9	1.05
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	9	1.05
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	9	1.05
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	9	1.05
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	9	1.05
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	9	1.05
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	1	1.05
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	1	1.05
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	1	1.05
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	2	1.05
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	2	1.05
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	2	1.05
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	15	1.05
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	15	1.05
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	15	1.05
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	10	1.05
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	10	1.05
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	10	1.05
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	10	1.05
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	10	1.05
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	10	1.05
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	11	1.05
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	11	1.05
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	11	1.05
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	11	1.05
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	11	1.05
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	11	1.05
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	12	1.05
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	12	1.05
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	12	1.05
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	12	1.05
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	12	1.05
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	13	1.05
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	13	1.05
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	13	1.05
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	17	1.05
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	17	1.05
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	17	1.05
(1,1459)	1:35:A:VAL:HG11	1:20:A:GLU:HA	14	1.05
(1,1459)	1:35:A:VAL:HG12	1:20:A:GLU:HA	14	1.05
(1,1459)	1:35:A:VAL:HG13	1:20:A:GLU:HA	14	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	10	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	10	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	10	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	10	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	10	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	10	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	11	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	11	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	11	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	11	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	11	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	11	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	12	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	12	1.05
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	12	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	12	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	12	1.05
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	12	1.05
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	10	1.05
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	10	1.05
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	10	1.05
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	10	1.05
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	10	1.05
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	10	1.05
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	1	1.05
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	1	1.05
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	1	1.05
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	12	1.05
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	12	1.05
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	12	1.05
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	10	1.05
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	10	1.05
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG11	14	1.05
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG12	14	1.05
(1,963)	1:20:A:GLU:HA	1:35:A:VAL:HG13	14	1.05
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	13	1.05
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	13	1.05
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	13	1.05
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	17	1.05
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	17	1.05
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	17	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	11	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	11	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	11	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	12	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	12	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	12	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	16	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	16	1.05
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	16	1.05
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	11	1.05
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	11	1.05
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	11	1.05
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	5	1.05
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	5	1.05
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	5	1.05
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	16	1.05
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	16	1.05
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	16	1.05
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	10	1.05
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	10	1.05
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	10	1.05
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	15	1.05
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	15	1.05
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	15	1.05
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	6	1.05
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	6	1.05
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	6	1.05
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	17	1.05
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	17	1.05
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	17	1.05
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	18	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	18	1.05
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	18	1.05
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	3	1.05
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	3	1.05
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	3	1.05
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD11	8	1.05
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD12	8	1.05
(1,559)	1:44:A:TRP:HH2	1:71:A:LEU:HD13	8	1.05
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	15	1.05
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	15	1.05
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	15	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	2	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	2	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	2	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	8	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	8	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	8	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	13	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	13	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	13	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	15	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	15	1.05
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	15	1.05
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	10	1.05
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	10	1.05
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	10	1.05
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	14	1.05
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	14	1.05
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	14	1.05
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	2	1.05
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	2	1.05
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	2	1.05
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	2	1.05
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	2	1.05
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	2	1.05
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	3	1.04
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	3	1.04
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	3	1.04
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	6	1.04
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	6	1.04
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	6	1.04
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	9	1.04
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	9	1.04
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	15	1.04
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	15	1.04
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	15	1.04
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	8	1.04
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	8	1.04
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	8	1.04
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	14	1.04
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	14	1.04
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	14	1.04
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	15	1.04
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	15	1.04
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	15	1.04
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	18	1.04
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	18	1.04
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	18	1.04
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	5	1.04
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	5	1.04
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	5	1.04
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	1	1.04
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	1	1.04
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	1	1.04
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	1	1.04
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	1	1.04
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	1	1.04
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	12	1.04
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	12	1.04
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	12	1.04
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	12	1.04
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	12	1.04
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	12	1.04
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	6	1.04
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	6	1.04
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	6	1.04
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	6	1.04
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	6	1.04
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	6	1.04
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	6	1.04
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	6	1.04
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	6	1.04
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	6	1.04
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	6	1.04
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	7	1.04
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	7	1.04
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	7	1.04
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	12	1.04
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	12	1.04
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	12	1.04
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	19	1.04
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	19	1.04
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	19	1.04
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	8	1.04
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	8	1.04
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	8	1.04
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	8	1.04
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	8	1.04
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	8	1.04
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	18	1.04
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	18	1.04
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	18	1.04
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	18	1.04
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	18	1.04
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	18	1.04
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	15	1.04
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	15	1.04
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	15	1.04
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	15	1.04
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	15	1.04
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	15	1.04
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	15	1.04
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	15	1.04
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	15	1.04
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	14	1.04
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	14	1.04
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	14	1.04
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	14	1.04
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	14	1.04
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	14	1.04
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	20	1.04
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	20	1.04
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	20	1.04
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	8	1.04
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	8	1.04
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	8	1.04
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	8	1.04
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	8	1.04
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	18	1.04
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	18	1.04
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	18	1.04
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	18	1.04
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	18	1.04
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	18	1.04
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	3	1.04
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	3	1.04
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	3	1.04
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	9	1.04
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	9	1.04
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	9	1.04
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	18	1.04
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	18	1.04
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	18	1.04
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	8	1.04
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	8	1.04
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	8	1.04
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	8	1.04
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	8	1.04
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	8	1.04
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	18	1.04
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	18	1.04
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	18	1.04
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	18	1.04
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	18	1.04
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	18	1.04
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	12	1.04
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	12	1.04
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	12	1.04
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	12	1.04
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	12	1.04
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	12	1.04
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	9	1.04
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	9	1.04
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	9	1.04
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	18	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	18	1.04
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	18	1.04
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	10	1.04
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	10	1.04
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	10	1.04
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	3	1.04
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	3	1.04
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	3	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	8	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	8	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	8	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	14	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	14	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	14	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	15	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	15	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	15	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	18	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	18	1.04
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	18	1.04
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	18	1.04
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	18	1.04
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	18	1.04
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	10	1.04
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	10	1.04
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	10	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	1	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	1	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	1	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	3	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	3	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	3	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	6	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	6	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	6	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	8	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	8	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	8	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	16	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	16	1.04
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	16	1.04
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG11	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG12	6	1.04
(1,553)	1:134:A:GLU:H	1:18:A:VAL:HG13	6	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	1	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	1	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	1	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	3	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	3	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	3	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	11	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	11	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	11	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	17	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	17	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	17	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	20	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	20	1.04
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	20	1.04
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	4	1.04
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	4	1.04
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	4	1.04
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD1	19	1.04
(1,9)	1:148:A:LEU:HD21	1:51:A:TYR:HD2	19	1.04
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD1	19	1.04
(1,9)	1:148:A:LEU:HD22	1:51:A:TYR:HD2	19	1.04
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD1	19	1.04
(1,9)	1:148:A:LEU:HD23	1:51:A:TYR:HD2	19	1.04
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	7	1.03
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	7	1.03
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	7	1.03
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	2	1.03
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	2	1.03
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	2	1.03
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	4	1.03
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	4	1.03
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	4	1.03
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	9	1.03
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	9	1.03
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	9	1.03
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	12	1.03
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	12	1.03
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	12	1.03
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	17	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	17	1.03
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	17	1.03
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	18	1.03
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	18	1.03
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	18	1.03
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	19	1.03
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	19	1.03
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	19	1.03
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	10	1.03
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	10	1.03
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	10	1.03
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	10	1.03
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	10	1.03
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	10	1.03
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	18	1.03
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	18	1.03
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	18	1.03
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	18	1.03
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	18	1.03
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	18	1.03
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	18	1.03
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	18	1.03
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	18	1.03
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	2	1.03
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	2	1.03
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	2	1.03
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	5	1.03
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	5	1.03
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	5	1.03
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	14	1.03
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	14	1.03
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	14	1.03
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	18	1.03
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	18	1.03
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	18	1.03
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	2	1.03
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	2	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	2	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	2	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	2	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	2	1.03
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	7	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	7	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	7	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	7	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	7	1.03
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	13	1.03
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	13	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	13	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	13	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	13	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	13	1.03
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	16	1.03
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	16	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	16	1.03
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	16	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	16	1.03
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	16	1.03
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	15	1.03
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	15	1.03
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	15	1.03
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	15	1.03
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	15	1.03
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	15	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	2	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	2	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	2	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	2	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	2	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	2	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	7	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	7	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	7	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	7	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	7	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	7	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	13	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	13	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	13	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	13	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	13	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	13	1.03
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	16	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	16	1.03
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	16	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	16	1.03
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	16	1.03
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	7	1.03
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	7	1.03
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	7	1.03
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	10	1.03
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	10	1.03
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	10	1.03
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	10	1.03
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	10	1.03
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	10	1.03
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	1	1.03
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	1	1.03
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	1	1.03
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	12	1.03
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	12	1.03
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	12	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	2	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	2	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	2	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	2	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	2	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	2	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	7	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	7	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	7	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	7	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	7	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	7	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	13	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	13	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	13	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	13	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	13	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	13	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	16	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	16	1.03
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	16	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	16	1.03
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	16	1.03
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	9	1.03
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	9	1.03
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	9	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	9	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	9	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	9	1.03
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	18	1.03
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	18	1.03
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	18	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	18	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	18	1.03
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	18	1.03
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	10	1.03
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	10	1.03
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	10	1.03
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	10	1.03
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	10	1.03
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	10	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	6	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	6	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	6	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	13	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	13	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	13	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	14	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	14	1.03
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	14	1.03
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	10	1.03
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	10	1.03
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	10	1.03
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	10	1.03
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	10	1.03
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	10	1.03
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	1	1.03
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	1	1.03
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	1	1.03
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	12	1.03
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	12	1.03
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	12	1.03
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	16	1.03
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	16	1.03
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	18	1.03
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	18	1.03
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	18	1.03
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	7	1.03
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	7	1.03
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	7	1.03
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	7	1.03
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	7	1.03
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	7	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	1	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	1	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	1	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	8	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	8	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	8	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	12	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	12	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	12	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	14	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	14	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	14	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	17	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	17	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	17	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	19	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	19	1.03
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	19	1.03
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	14	1.03
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	14	1.03
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	14	1.03
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	17	1.03
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	17	1.03
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	17	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	4	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	4	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	4	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	9	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	9	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	9	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	12	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	12	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	12	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	17	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	17	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	17	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	18	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	18	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	18	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	19	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	19	1.03
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	19	1.03
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	2	1.03
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	2	1.03
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	2	1.03
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	5	1.03
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	5	1.03
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	5	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	5	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	5	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	5	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	7	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	7	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	7	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	9	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	9	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	9	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	12	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	12	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	12	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	16	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	16	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	16	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	18	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	18	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	18	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	19	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	19	1.03
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	19	1.03
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	6	1.03
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	6	1.03
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	6	1.03
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	16	1.03
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	16	1.03
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	5	1.02
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	5	1.02
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	5	1.02
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	20	1.02
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	20	1.02
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	20	1.02
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	11	1.02
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	11	1.02
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	11	1.02
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	10	1.02
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	10	1.02
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	10	1.02
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	14	1.02
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	14	1.02
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	14	1.02
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	15	1.02
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	15	1.02
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	15	1.02
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	3	1.02
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	3	1.02
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	3	1.02
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	3	1.02
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	3	1.02
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	3	1.02
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	3	1.02
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	3	1.02
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	3	1.02
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	13	1.02
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	13	1.02
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	13	1.02
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	13	1.02
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	13	1.02
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	13	1.02
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	15	1.02
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	15	1.02
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	15	1.02
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	15	1.02
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	15	1.02
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	15	1.02
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	15	1.02
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	15	1.02
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	13	1.02
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	13	1.02
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	13	1.02
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	11	1.02
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	11	1.02
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	11	1.02
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	11	1.02
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	11	1.02
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	11	1.02
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	11	1.02
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	11	1.02
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	11	1.02
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	5	1.02
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	5	1.02
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	5	1.02
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	6	1.02
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	6	1.02
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	6	1.02
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	3	1.02
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	3	1.02
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	3	1.02
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	14	1.02
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	14	1.02
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	14	1.02
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	2	1.02
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	2	1.02
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	2	1.02
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	2	1.02
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	2	1.02
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	2	1.02
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	2	1.02
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	2	1.02
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	2	1.02
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	5	1.02
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	5	1.02
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	5	1.02
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	12	1.02
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	12	1.02
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	12	1.02
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	16	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	16	1.02
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	16	1.02
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	20	1.02
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	20	1.02
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	20	1.02
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	13	1.02
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	13	1.02
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	13	1.02
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	3	1.02
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	3	1.02
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	3	1.02
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	14	1.02
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	14	1.02
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	14	1.02
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	10	1.02
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	10	1.02
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	10	1.02
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	15	1.02
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	15	1.02
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	15	1.02
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	10	1.02
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	10	1.02
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	10	1.02
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	20	1.02
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	20	1.02
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	20	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	11	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	11	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	11	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	18	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	18	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	18	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	19	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	19	1.02
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	19	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	10	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	10	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	10	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	14	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	14	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	14	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	15	1.02
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	15	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	6	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	6	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	6	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	8	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	8	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	8	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	14	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	14	1.02
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	14	1.02
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	6	1.02
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	6	1.02
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	6	1.02
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	10	1.02
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	10	1.02
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	10	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	1	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	1	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	1	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	9	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	9	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	9	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	19	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	19	1.02
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	19	1.02
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	13	1.01
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	13	1.01
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	13	1.01
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	14	1.01
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	14	1.01
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	14	1.01
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	13	1.01
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	13	1.01
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	13	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	1	1.01
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	1	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	1	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	2	1.01
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	2	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	2	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	6	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	6	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	7	1.01
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	7	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	7	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	8	1.01
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	8	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	8	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	11	1.01
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	11	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	11	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	13	1.01
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	13	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	13	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	16	1.01
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	16	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	16	1.01
(1,3345)	1:35:A:VAL:HG11	1:35:A:VAL:H	20	1.01
(1,3345)	1:35:A:VAL:HG12	1:35:A:VAL:H	20	1.01
(1,3345)	1:35:A:VAL:HG13	1:35:A:VAL:H	20	1.01
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	14	1.01
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	14	1.01
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	14	1.01
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	18	1.01
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	18	1.01
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	18	1.01
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	18	1.01
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	18	1.01
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	18	1.01
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	20	1.01
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	20	1.01
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	20	1.01
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	20	1.01
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	20	1.01
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	20	1.01
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	2	1.01
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	2	1.01
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	2	1.01
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	1	1.01
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	1	1.01
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	1	1.01
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	1	1.01
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	1	1.01
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	1	1.01
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	1	1.01
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	1	1.01
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	20	1.01
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	20	1.01
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	20	1.01
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	20	1.01
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	20	1.01
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	20	1.01
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	19	1.01
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	19	1.01
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	19	1.01
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	11	1.01
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	11	1.01
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	11	1.01
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	11	1.01
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	11	1.01
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	11	1.01
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	11	1.01
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	11	1.01
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	11	1.01
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	16	1.01
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	16	1.01
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	16	1.01
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	16	1.01
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	16	1.01
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	16	1.01
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	16	1.01
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	16	1.01
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	16	1.01
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	20	1.01
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	20	1.01
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	20	1.01
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	20	1.01
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	20	1.01
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	20	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	6	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	6	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	6	1.01
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	6	1.01
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	6	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	11	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	11	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	11	1.01
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	11	1.01
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	11	1.01
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	11	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	13	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	13	1.01
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	13	1.01
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	13	1.01
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	13	1.01
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	13	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	3	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	3	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	3	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	4	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	4	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	4	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	7	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	7	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	7	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	8	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	8	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	8	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	10	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	10	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	10	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	18	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	18	1.01
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	18	1.01
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	2	1.01
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	2	1.01
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	2	1.01
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	19	1.01
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	19	1.01
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	19	1.01
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	9	1.01
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	9	1.01
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	9	1.01
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	6	1.01
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	6	1.01
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	12	1.01
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	12	1.01
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	12	1.01
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	13	1.01
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	13	1.01
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	13	1.01
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	14	1.01
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	14	1.01
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	14	1.01
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG21	7	1.01
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG22	7	1.01
(1,580)	1:36:A:PHE:H	1:35:A:VAL:HG23	7	1.01
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD11	7	1.01
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD12	7	1.01
(1,576)	1:140:A:TRP:HE1	1:123:A:LEU:HD13	7	1.01
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG11	20	1.01
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG12	20	1.01
(1,566)	1:51:A:TYR:HA	1:52:A:VAL:HG13	20	1.01
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	2	1.01
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	2	1.01
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	2	1.01
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	10	1.01
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	10	1.01
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	10	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	1	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	1	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	1	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	2	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	2	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	2	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	6	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	6	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	6	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	7	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	7	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	7	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	8	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	8	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	8	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	11	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	11	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	13	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	13	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	13	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	16	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	16	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	16	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG11	20	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG12	20	1.01
(1,551)	1:35:A:VAL:H	1:35:A:VAL:HG13	20	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	3	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	3	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	3	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	4	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	4	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	4	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	19	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	19	1.01
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	19	1.01
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	14	1.01
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	14	1.01
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	14	1.01
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	3	1.01
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	3	1.01
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	3	1.01
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	17	1.01
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	17	1.01
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	17	1.01
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	20	1.0
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	20	1.0
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	20	1.0
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	6	1.0
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	6	1.0
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	6	1.0
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	13	1.0
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	13	1.0
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	13	1.0
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	19	1.0
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	19	1.0
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	19	1.0
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	13	1.0
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	13	1.0
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	18	1.0
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	18	1.0
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	18	1.0
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	16	1.0
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	16	1.0
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	16	1.0
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	16	1.0
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	16	1.0
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	16	1.0
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	11	1.0
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	11	1.0
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	11	1.0
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	9	1.0
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	9	1.0
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	9	1.0
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	9	1.0
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	9	1.0
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	9	1.0
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	8	1.0
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	8	1.0
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	8	1.0
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	16	1.0
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	16	1.0
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	16	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	7	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	7	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	7	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	7	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	7	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	7	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	7	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	7	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	7	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	10	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	10	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	10	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	10	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	10	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	10	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	10	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	10	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	10	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	17	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	17	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	17	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	17	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	17	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	17	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	17	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	17	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	17	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	20	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	20	1.0
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	20	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	20	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	20	1.0
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	20	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	20	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	20	1.0
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	20	1.0
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	2	1.0
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	2	1.0
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	2	1.0
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	5	1.0
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	5	1.0
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	5	1.0
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	14	1.0
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	14	1.0
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	14	1.0
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	9	1.0
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	9	1.0
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	9	1.0
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	9	1.0
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	9	1.0
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	9	1.0
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	5	1.0
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	5	1.0
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	5	1.0
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	11	1.0
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	11	1.0
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	11	1.0
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	15	1.0
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	15	1.0
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	9	1.0
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	9	1.0
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	9	1.0
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	9	1.0
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	9	1.0
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	9	1.0
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	2	1.0
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	2	1.0
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	2	1.0
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	9	1.0
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	9	1.0
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	9	1.0
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	17	1.0
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	17	1.0
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	17	1.0
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	8	1.0
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	8	1.0
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	8	1.0
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	16	1.0
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	16	1.0
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	16	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	5	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	5	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	5	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	11	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	11	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	11	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	15	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	15	1.0
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	15	1.0
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD11	3	1.0
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD12	3	1.0
(1,941)	1:101:A:CYS:HA	1:124:A:LEU:HD13	3	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	8	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	8	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	8	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	9	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	9	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	9	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	13	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	13	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	14	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	14	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	14	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	17	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	17	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	17	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	20	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	20	1.0
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	20	1.0
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	6	1.0
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	6	1.0
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	6	1.0
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	9	1.0
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	9	1.0
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	9	1.0
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG11	20	1.0
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG12	20	1.0
(1,555)	1:18:A:VAL:H	1:18:A:VAL:HG13	20	1.0
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	13	1.0
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	13	1.0
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	13	1.0
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	15	1.0
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	15	1.0
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	15	1.0
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	18	1.0
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	18	1.0
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	18	1.0
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	4	1.0
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	4	1.0
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	4	1.0
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	18	0.99
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	18	0.99
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	18	0.99
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	17	0.99
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	17	0.99
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	17	0.99
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	4	0.99
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	4	0.99
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	4	0.99
(1,3902)	1:119:A:VAL:HG11	1:119:A:VAL:H	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3902)	1:119:A:VAL:HG12	1:119:A:VAL:H	3	0.99
(1,3902)	1:119:A:VAL:HG13	1:119:A:VAL:H	3	0.99
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	8	0.99
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	8	0.99
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	8	0.99
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	16	0.99
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	16	0.99
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	16	0.99
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	16	0.99
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	16	0.99
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	16	0.99
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	4	0.99
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	4	0.99
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	4	0.99
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	12	0.99
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	12	0.99
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	12	0.99
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	16	0.99
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	16	0.99
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	16	0.99
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	2	0.99
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	2	0.99
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	2	0.99
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	2	0.99
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	2	0.99
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	2	0.99
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	20	0.99
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	20	0.99
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	20	0.99
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	20	0.99
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	20	0.99
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	20	0.99
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	10	0.99
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	10	0.99
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	10	0.99
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	10	0.99
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	10	0.99
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	10	0.99
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	20	0.99
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	20	0.99
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	20	0.99
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	20	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	20	0.99
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	20	0.99
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	14	0.99
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	14	0.99
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	14	0.99
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	14	0.99
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	14	0.99
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	14	0.99
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	14	0.99
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	14	0.99
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	14	0.99
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	15	0.99
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	15	0.99
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	15	0.99
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	16	0.99
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	16	0.99
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	16	0.99
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	3	0.99
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	3	0.99
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	3	0.99
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	3	0.99
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	3	0.99
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	3	0.99
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	4	0.99
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	4	0.99
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	4	0.99
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	4	0.99
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	4	0.99
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	4	0.99
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	20	0.99
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	20	0.99
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	20	0.99
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	16	0.99
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	16	0.99
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	16	0.99
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	3	0.99
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	3	0.99
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	3	0.99
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	3	0.99
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	3	0.99
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	3	0.99
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	4	0.99
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	4	0.99
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	4	0.99
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	4	0.99
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	4	0.99
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	2	0.99
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	2	0.99
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	2	0.99
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	2	0.99
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	2	0.99
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	2	0.99
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	20	0.99
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	20	0.99
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	20	0.99
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	20	0.99
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	20	0.99
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	20	0.99
(1,1551)	1:64:A:LEU:HD11	1:64:A:LEU:HA	20	0.99
(1,1551)	1:64:A:LEU:HD12	1:64:A:LEU:HA	20	0.99
(1,1551)	1:64:A:LEU:HD13	1:64:A:LEU:HA	20	0.99
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	15	0.99
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	15	0.99
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	15	0.99
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	15	0.99
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	15	0.99
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	15	0.99
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	15	0.99
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	15	0.99
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	15	0.99
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	3	0.99
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	3	0.99
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	3	0.99
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	3	0.99
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	3	0.99
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	3	0.99
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	4	0.99
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	4	0.99
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	4	0.99
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	4	0.99
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	4	0.99
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	4	0.99
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	20	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	20	0.99
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	20	0.99
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	20	0.99
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	20	0.99
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	20	0.99
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	2	0.99
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	2	0.99
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	2	0.99
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	2	0.99
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	2	0.99
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	2	0.99
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	20	0.99
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	20	0.99
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	20	0.99
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	20	0.99
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	20	0.99
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	20	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	1	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	1	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	1	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	2	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	2	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	2	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	5	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	5	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	5	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	11	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	11	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	11	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	15	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	15	0.99
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	15	0.99
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	2	0.99
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	2	0.99
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	2	0.99
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	2	0.99
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	2	0.99
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	2	0.99
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	20	0.99
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	20	0.99
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	20	0.99
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	20	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	20	0.99
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	20	0.99
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	20	0.99
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	20	0.99
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	20	0.99
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD11	20	0.99
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD12	20	0.99
(1,951)	1:64:A:LEU:HA	1:64:A:LEU:HD13	20	0.99
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	8	0.99
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	8	0.99
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	8	0.99
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	8	0.99
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	8	0.99
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	8	0.99
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	8	0.99
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	8	0.99
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	8	0.99
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	8	0.99
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	8	0.99
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	8	0.99
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	4	0.99
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	4	0.99
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	4	0.99
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	18	0.99
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	18	0.99
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	18	0.99
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	18	0.99
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	18	0.99
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	18	0.99
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG11	3	0.99
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG12	3	0.99
(1,584)	1:119:A:VAL:H	1:119:A:VAL:HG13	3	0.99
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	7	0.99
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	7	0.99
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	7	0.99
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	17	0.99
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	17	0.99
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	17	0.99
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	1	0.98
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	1	0.98
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	1	0.98
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	10	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	10	0.98
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	10	0.98
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	20	0.98
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	20	0.98
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	20	0.98
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	14	0.98
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	14	0.98
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	14	0.98
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	16	0.98
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	16	0.98
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	16	0.98
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	4	0.98
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	4	0.98
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	4	0.98
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	14	0.98
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	14	0.98
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	14	0.98
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	2	0.98
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	2	0.98
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	2	0.98
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	2	0.98
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	2	0.98
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	2	0.98
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	1	0.98
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	1	0.98
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	1	0.98
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	1	0.98
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	1	0.98
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	1	0.98
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	1	0.98
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	1	0.98
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	1	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	2	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	2	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	2	0.98
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	2	0.98
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	2	0.98
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	2	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	4	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	4	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	4	0.98
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	4	0.98
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	4	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD21	15	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD22	15	0.98
(1,2817)	1:114:A:GLN:HE21	1:79:A:LEU:HD23	15	0.98
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD21	15	0.98
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD22	15	0.98
(1,2817)	1:114:A:GLN:HE22	1:79:A:LEU:HD23	15	0.98
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	6	0.98
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	6	0.98
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	6	0.98
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	6	0.98
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	6	0.98
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	6	0.98
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	11	0.98
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	11	0.98
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	11	0.98
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	11	0.98
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	11	0.98
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	11	0.98
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	12	0.98
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	12	0.98
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	12	0.98
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	12	0.98
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	12	0.98
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	12	0.98
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	9	0.98
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	9	0.98
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	9	0.98
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	8	0.98
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	8	0.98
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	8	0.98
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	8	0.98
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	8	0.98
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	8	0.98
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	8	0.98
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	8	0.98
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	8	0.98
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	15	0.98
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	15	0.98
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	15	0.98
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	6	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	6	0.98
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	6	0.98
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	6	0.98
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	6	0.98
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	6	0.98
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	10	0.98
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	10	0.98
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	10	0.98
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	10	0.98
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	10	0.98
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	10	0.98
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	10	0.98
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	10	0.98
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	10	0.98
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	1	0.98
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	1	0.98
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	1	0.98
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	1	0.98
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	1	0.98
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	1	0.98
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	1	0.98
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	1	0.98
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	1	0.98
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	6	0.98
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	6	0.98
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	6	0.98
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	6	0.98
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	6	0.98
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	6	0.98
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	14	0.98
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	14	0.98
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	14	0.98
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	14	0.98
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	14	0.98
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	14	0.98
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	15	0.98
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	15	0.98
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	15	0.98
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	6	0.98
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	6	0.98
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	6	0.98
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	6	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	6	0.98
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	6	0.98
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	11	0.98
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	11	0.98
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	11	0.98
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	11	0.98
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	11	0.98
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	11	0.98
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	12	0.98
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	12	0.98
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	12	0.98
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	12	0.98
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	12	0.98
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	12	0.98
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD21	19	0.98
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD22	19	0.98
(1,1005)	1:53:A:LEU:HA	1:53:A:LEU:HD23	19	0.98
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	9	0.98
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	9	0.98
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	9	0.98
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	9	0.98
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	9	0.98
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	9	0.98
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	9	0.98
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	9	0.98
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	9	0.98
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	15	0.98
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	15	0.98
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	15	0.98
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	1	0.98
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	1	0.98
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	1	0.98
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	12	0.98
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	12	0.98
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	12	0.98
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	6	0.97
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	6	0.97
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	6	0.97
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	12	0.97
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	12	0.97
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	12	0.97
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	18	0.97
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	18	0.97
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	1	0.97
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	1	0.97
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	1	0.97
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	1	0.97
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	1	0.97
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	1	0.97
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	4	0.97
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	4	0.97
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	4	0.97
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	4	0.97
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	4	0.97
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	4	0.97
(1,2359)	1:54:A:VAL:HG21	1:55:A:VAL:HA	3	0.97
(1,2359)	1:54:A:VAL:HG22	1:55:A:VAL:HA	3	0.97
(1,2359)	1:54:A:VAL:HG23	1:55:A:VAL:HA	3	0.97
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	14	0.97
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	14	0.97
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	14	0.97
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	14	0.97
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	14	0.97
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	14	0.97
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	3	0.97
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	3	0.97
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	3	0.97
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	3	0.97
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	3	0.97
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	3	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	4	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	4	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	4	0.97
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	4	0.97
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	4	0.97
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	4	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	4	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	4	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	4	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	6	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	6	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	6	0.97
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	6	0.97
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	6	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	6	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	6	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	6	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	12	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	12	0.97
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	12	0.97
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	12	0.97
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	12	0.97
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	12	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	12	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	12	0.97
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	12	0.97
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	14	0.97
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	14	0.97
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	14	0.97
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	14	0.97
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	14	0.97
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	14	0.97
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	1	0.97
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	1	0.97
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	1	0.97
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	1	0.97
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	1	0.97
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	1	0.97
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	5	0.97
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	5	0.97
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	5	0.97
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	5	0.97
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	5	0.97
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	5	0.97
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	5	0.97
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	5	0.97
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	5	0.97
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	14	0.97
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	14	0.97
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	14	0.97
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	14	0.97
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	14	0.97
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	14	0.97
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	2	0.97
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	2	0.97
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	2	0.97
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	2	0.97
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	2	0.97
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	3	0.97
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	3	0.97
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	3	0.97
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	3	0.97
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	3	0.97
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	3	0.97
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	3	0.97
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	3	0.97
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	3	0.97
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	3	0.97
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	3	0.97
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	3	0.97
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	1	0.97
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	1	0.97
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	1	0.97
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	1	0.97
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	1	0.97
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	1	0.97
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	1	0.97
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	1	0.97
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	1	0.97
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	1	0.97
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	1	0.97
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	1	0.97
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG11	17	0.97
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG12	17	0.97
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG13	17	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	5	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	5	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	5	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	10	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	10	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	10	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	11	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	11	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	11	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	15	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	15	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	16	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	16	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	16	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	19	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	19	0.97
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	19	0.97
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	2	0.97
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	2	0.97
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	2	0.97
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	15	0.97
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	15	0.97
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	15	0.97
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	7	0.96
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	7	0.96
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	7	0.96
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	8	0.96
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	8	0.96
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	8	0.96
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	9	0.96
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	9	0.96
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	9	0.96
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	17	0.96
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	17	0.96
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	17	0.96
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	11	0.96
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	11	0.96
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	11	0.96
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	11	0.96
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	11	0.96
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	11	0.96
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	19	0.96
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	19	0.96
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	19	0.96
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	19	0.96
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	19	0.96
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	19	0.96
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	19	0.96
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	19	0.96
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	19	0.96
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	6	0.96
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	6	0.96
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	17	0.96
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	17	0.96
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	17	0.96
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	17	0.96
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	17	0.96
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	17	0.96
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	13	0.96
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	13	0.96
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	13	0.96
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	13	0.96
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	13	0.96
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	13	0.96
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	19	0.96
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	19	0.96
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	19	0.96
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	19	0.96
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	19	0.96
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	19	0.96
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	5	0.96
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	5	0.96
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	5	0.96
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	5	0.96
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	5	0.96
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	5	0.96
(1,1943)	1:141:A:VAL:HG21	1:25:A:ILE:HB	10	0.96
(1,1943)	1:141:A:VAL:HG22	1:25:A:ILE:HB	10	0.96
(1,1943)	1:141:A:VAL:HG23	1:25:A:ILE:HB	10	0.96
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	19	0.96
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	19	0.96
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	19	0.96
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	19	0.96
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	19	0.96
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	19	0.96
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	19	0.96
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	19	0.96
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	19	0.96
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	4	0.96
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	4	0.96
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	4	0.96
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	4	0.96
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	4	0.96
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	17	0.96
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	17	0.96
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	17	0.96
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	17	0.96
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	17	0.96
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	17	0.96
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	2	0.96
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	2	0.96
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	2	0.96
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	7	0.96
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	7	0.96
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	7	0.96
(1,623)	1:98:A:VAL:H	1:98:A:VAL:HG21	5	0.96
(1,623)	1:98:A:VAL:H	1:98:A:VAL:HG22	5	0.96
(1,623)	1:98:A:VAL:H	1:98:A:VAL:HG23	5	0.96
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	12	0.96
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	12	0.96
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	12	0.96
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD11	9	0.96
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD12	9	0.96
(1,549)	1:44:A:TRP:HD1	1:45:A:LEU:HD13	9	0.96
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	10	0.95
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	10	0.95
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	10	0.95
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	19	0.95
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	19	0.95
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	19	0.95
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	6	0.95
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	6	0.95
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	6	0.95
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	20	0.95
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	20	0.95
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	20	0.95
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	10	0.95
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	10	0.95
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	10	0.95
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	10	0.95
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	10	0.95
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	10	0.95
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	15	0.95
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	15	0.95
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	15	0.95
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	15	0.95
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	15	0.95
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	5	0.95
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	5	0.95
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	5	0.95
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	5	0.95
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	5	0.95
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	5	0.95
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	17	0.95
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	17	0.95
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	17	0.95
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	17	0.95
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	17	0.95
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	17	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	2	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	2	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	2	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	2	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	2	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	2	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	3	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	3	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	3	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	3	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	3	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	3	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	5	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	5	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	5	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	5	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	5	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	5	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	8	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	8	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	8	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	8	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	8	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	8	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	11	0.95
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	11	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	11	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	11	0.95
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	11	0.95
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	19	0.95
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	19	0.95
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	19	0.95
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	19	0.95
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	19	0.95
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	19	0.95
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	7	0.95
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	7	0.95
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	7	0.95
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	7	0.95
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	7	0.95
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	7	0.95
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	15	0.95
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	15	0.95
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	15	0.95
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	15	0.95
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	15	0.95
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	15	0.95
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	19	0.95
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	19	0.95
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	19	0.95
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	19	0.95
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	19	0.95
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	19	0.95
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	19	0.95
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	19	0.95
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	19	0.95
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	19	0.95
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	19	0.95
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	19	0.95
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	19	0.95
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	19	0.95
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	19	0.95
(1,1727)	1:85:A:LEU:HD21	1:51:A:TYR:HA	14	0.95
(1,1727)	1:85:A:LEU:HD22	1:51:A:TYR:HA	14	0.95
(1,1727)	1:85:A:LEU:HD23	1:51:A:TYR:HA	14	0.95
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	5	0.95
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	5	0.95
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	5	0.95
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	5	0.95
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	5	0.95
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	17	0.95
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	17	0.95
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	17	0.95
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	17	0.95
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	17	0.95
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	17	0.95
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	14	0.95
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	14	0.95
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	14	0.95
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	14	0.95
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	14	0.95
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	14	0.95
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	14	0.95
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	14	0.95
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	14	0.95
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	19	0.95
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	19	0.95
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	19	0.95
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	19	0.95
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	19	0.95
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	19	0.95
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	7	0.95
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	7	0.95
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	7	0.95
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	7	0.95
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	7	0.95
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	7	0.95
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	15	0.95
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	15	0.95
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	15	0.95
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	15	0.95
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	15	0.95
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	15	0.95
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	5	0.95
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	5	0.95
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	5	0.95
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	5	0.95
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	5	0.95
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	17	0.95
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	17	0.95
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	17	0.95
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	17	0.95
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	17	0.95
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	17	0.95
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	5	0.95
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	5	0.95
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	5	0.95
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	5	0.95
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	5	0.95
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	5	0.95
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	17	0.95
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	17	0.95
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	17	0.95
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	17	0.95
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	17	0.95
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	17	0.95
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	6	0.95
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	6	0.95
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	6	0.95
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	6	0.95
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	6	0.95
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	6	0.95
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	6	0.95
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	6	0.95
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	6	0.95
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	6	0.95
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	6	0.95
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	6	0.95
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	3	0.95
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	3	0.95
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	3	0.95
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG21	3	0.95
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG22	3	0.95
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG23	3	0.95
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG21	5	0.95
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG22	5	0.95
(1,581)	1:35:A:VAL:H	1:35:A:VAL:HG23	5	0.95
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD11	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD12	7	0.95
(1,524)	1:125:A:ILE:H	1:124:A:LEU:HD13	7	0.95
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	11	0.94
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	11	0.94
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	11	0.94
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	15	0.94
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	15	0.94
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	15	0.94
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	13	0.94
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	13	0.94
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	13	0.94
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	16	0.94
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	16	0.94
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	16	0.94
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	5	0.94
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	5	0.94
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	5	0.94
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	5	0.94
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	5	0.94
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	5	0.94
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	11	0.94
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	11	0.94
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	11	0.94
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	11	0.94
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	11	0.94
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	11	0.94
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	11	0.94
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	11	0.94
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	11	0.94
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	10	0.94
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	10	0.94
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	10	0.94
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	6	0.94
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	6	0.94
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	6	0.94
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	6	0.94
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	6	0.94
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	6	0.94
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	19	0.94
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	19	0.94
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	19	0.94
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	19	0.94
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	19	0.94
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	14	0.94
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	14	0.94
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	14	0.94
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	14	0.94
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	14	0.94
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	14	0.94
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	8	0.94
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	8	0.94
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	8	0.94
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	8	0.94
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	8	0.94
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	8	0.94
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	4	0.94
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	4	0.94
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	4	0.94
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	4	0.94
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	4	0.94
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	4	0.94
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	4	0.94
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	4	0.94
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	4	0.94
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG11	20	0.94
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG12	20	0.94
(1,2405)	1:141:A:VAL:HG21	1:55:A:VAL:HG13	20	0.94
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG11	20	0.94
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG12	20	0.94
(1,2405)	1:141:A:VAL:HG22	1:55:A:VAL:HG13	20	0.94
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG11	20	0.94
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG12	20	0.94
(1,2405)	1:141:A:VAL:HG23	1:55:A:VAL:HG13	20	0.94
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	6	0.94
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	6	0.94
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	6	0.94
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	6	0.94
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	6	0.94
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	6	0.94
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	19	0.94
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	19	0.94
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	19	0.94
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	19	0.94
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	19	0.94
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	6	0.94
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	6	0.94
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	6	0.94
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	6	0.94
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	6	0.94
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	6	0.94
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	6	0.94
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	6	0.94
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	6	0.94
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	6	0.94
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	6	0.94
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	6	0.94
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	7	0.94
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	7	0.94
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	7	0.94
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	7	0.94
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	7	0.94
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	7	0.94
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	7	0.94
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	7	0.94
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	7	0.94
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	11	0.94
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	11	0.94
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	11	0.94
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	11	0.94
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	11	0.94
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	11	0.94
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	11	0.94
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	11	0.94
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	11	0.94
(1,1131)	1:125:A:ILE:HB	1:92:A:LEU:HD21	7	0.94
(1,1131)	1:125:A:ILE:HB	1:92:A:LEU:HD22	7	0.94
(1,1131)	1:125:A:ILE:HB	1:92:A:LEU:HD23	7	0.94
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	6	0.94
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	6	0.94
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	6	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	6	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	6	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	6	0.94
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	19	0.94
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	19	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	19	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	19	0.94
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	19	0.94
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	6	0.94
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	6	0.94
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	6	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	6	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	6	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	6	0.94
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	19	0.94
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	19	0.94
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	19	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	19	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	19	0.94
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	19	0.94
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	9	0.94
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	9	0.94
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	9	0.94
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	9	0.94
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	9	0.94
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	9	0.94
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	9	0.94
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	9	0.94
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	9	0.94
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	9	0.94
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	9	0.94
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	9	0.94
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG11	1	0.94
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG12	1	0.94
(1,631)	1:54:A:VAL:H	1:54:A:VAL:HG13	1	0.94
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	8	0.94
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	8	0.94
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	8	0.94
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	17	0.94
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	17	0.94
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	17	0.94
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG11	4	0.94
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG12	4	0.94
(1,536)	1:141:A:VAL:H	1:141:A:VAL:HG13	4	0.94
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	6	0.93
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	6	0.93
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	9	0.93
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	9	0.93
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	9	0.93
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	12	0.93
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	12	0.93
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	12	0.93
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	19	0.93
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	19	0.93
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	19	0.93
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	10	0.93
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	10	0.93
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	10	0.93
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	20	0.93
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	20	0.93
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	20	0.93
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	12	0.93
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	12	0.93
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	12	0.93
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	12	0.93
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	12	0.93
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	12	0.93
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	12	0.93
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	12	0.93
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	12	0.93
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	12	0.93
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	12	0.93
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	12	0.93
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	12	0.93
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	12	0.93
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	12	0.93
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	13	0.93
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	13	0.93
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	13	0.93
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	13	0.93
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	13	0.93
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	13	0.93
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	13	0.93
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	13	0.93
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	13	0.93
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	5	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	5	0.93
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	5	0.93
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	5	0.93
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	5	0.93
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	5	0.93
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	15	0.93
(1,2039)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	15	0.93
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	15	0.93
(1,2039)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	15	0.93
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	15	0.93
(1,2039)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	15	0.93
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	20	0.93
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	20	0.93
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	20	0.93
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	20	0.93
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	20	0.93
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	20	0.93
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	9	0.93
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	9	0.93
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	9	0.93
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	9	0.93
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	9	0.93
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	9	0.93
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	9	0.93
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	9	0.93
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	9	0.93
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	5	0.93
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	5	0.93
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	5	0.93
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	5	0.93
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	5	0.93
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	5	0.93
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB2	15	0.93
(1,1925)	1:119:A:VAL:HG21	1:147:A:LEU:HB3	15	0.93
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB2	15	0.93
(1,1925)	1:119:A:VAL:HG22	1:147:A:LEU:HB3	15	0.93
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB2	15	0.93
(1,1925)	1:119:A:VAL:HG23	1:147:A:LEU:HB3	15	0.93
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	7	0.93
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	7	0.93
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	7	0.93
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	7	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	7	0.93
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	7	0.93
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	7	0.93
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	7	0.93
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	7	0.93
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	7	0.93
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	7	0.93
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	7	0.93
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	17	0.93
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	17	0.93
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	17	0.93
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	17	0.93
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	17	0.93
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	17	0.93
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	17	0.93
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	17	0.93
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	17	0.93
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	17	0.93
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	17	0.93
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	17	0.93
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	5	0.93
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	5	0.93
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	5	0.93
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	5	0.93
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	5	0.93
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	5	0.93
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG21	15	0.93
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG22	15	0.93
(1,1306)	1:147:A:LEU:HB2	1:119:A:VAL:HG23	15	0.93
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG21	15	0.93
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG22	15	0.93
(1,1306)	1:147:A:LEU:HB3	1:119:A:VAL:HG23	15	0.93
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	8	0.93
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	8	0.93
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	8	0.93
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	8	0.93
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	8	0.93
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	8	0.93
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG11	13	0.93
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG12	13	0.93
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG13	13	0.93
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG11	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG12	13	0.93
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG13	13	0.93
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	18	0.93
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	18	0.93
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	18	0.93
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	18	0.93
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	18	0.93
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	18	0.93
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	20	0.93
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	20	0.93
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	20	0.93
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	20	0.93
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	20	0.93
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	20	0.93
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	6	0.93
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	6	0.93
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	6	0.93
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	9	0.93
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	9	0.93
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	9	0.93
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	16	0.92
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	16	0.92
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	16	0.92
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	6	0.92
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	6	0.92
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	6	0.92
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	18	0.92
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	18	0.92
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	18	0.92
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	9	0.92
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	9	0.92
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	9	0.92
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	6	0.92
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	6	0.92
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	6	0.92
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	6	0.92
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	6	0.92
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	6	0.92
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	7	0.92
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	7	0.92
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	7	0.92
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	14	0.92
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	14	0.92
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	14	0.92
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	14	0.92
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	14	0.92
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	11	0.92
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	11	0.92
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	11	0.92
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	11	0.92
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	11	0.92
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	11	0.92
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	17	0.92
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	17	0.92
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	17	0.92
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	17	0.92
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	17	0.92
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	17	0.92
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	20	0.92
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	20	0.92
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	20	0.92
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	20	0.92
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	20	0.92
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	20	0.92
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	18	0.92
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	18	0.92
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	18	0.92
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	18	0.92
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	18	0.92
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	18	0.92
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	11	0.92
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	11	0.92
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	11	0.92
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	11	0.92
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	11	0.92
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	11	0.92
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD11	18	0.92
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD12	18	0.92
(1,1327)	1:123:A:LEU:HD21	1:125:A:ILE:HD13	18	0.92
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD11	18	0.92
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD12	18	0.92
(1,1327)	1:123:A:LEU:HD22	1:125:A:ILE:HD13	18	0.92
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD11	18	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD12	18	0.92
(1,1327)	1:123:A:LEU:HD23	1:125:A:ILE:HD13	18	0.92
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	2	0.92
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	2	0.92
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	2	0.92
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	2	0.92
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	2	0.92
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	2	0.92
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	7	0.92
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	7	0.92
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	7	0.92
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	7	0.92
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	7	0.92
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	7	0.92
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	18	0.92
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	18	0.92
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	18	0.92
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	18	0.92
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	18	0.92
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	18	0.92
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	11	0.92
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	11	0.92
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	11	0.92
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	11	0.92
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	11	0.92
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	11	0.92
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	11	0.92
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	11	0.92
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	11	0.92
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	11	0.92
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	11	0.92
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	11	0.92
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	7	0.92
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	7	0.92
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	7	0.92
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	7	0.92
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	7	0.92
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	7	0.92
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	7	0.92
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	7	0.92
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	7	0.92
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	7	0.92
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	7	0.92
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	6	0.92
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	6	0.92
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	6	0.92
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	3	0.91
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	3	0.91
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	3	0.91
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	12	0.91
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	12	0.91
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	12	0.91
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	19	0.91
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	19	0.91
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	19	0.91
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	20	0.91
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	20	0.91
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	20	0.91
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	18	0.91
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	18	0.91
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	18	0.91
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	18	0.91
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	18	0.91
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	18	0.91
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	2	0.91
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	2	0.91
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	2	0.91
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	2	0.91
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	2	0.91
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	2	0.91
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	2	0.91
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	2	0.91
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	2	0.91
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	8	0.91
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	8	0.91
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	8	0.91
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	1	0.91
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	1	0.91
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	1	0.91
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	1	0.91
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	1	0.91
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	1	0.91
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	4	0.91
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	4	0.91
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	6	0.91
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	6	0.91
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	6	0.91
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	14	0.91
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	14	0.91
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	14	0.91
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	14	0.91
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	14	0.91
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	14	0.91
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	14	0.91
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	14	0.91
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	14	0.91
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	14	0.91
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	14	0.91
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	14	0.91
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	15	0.91
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	15	0.91
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	15	0.91
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	15	0.91
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	15	0.91
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	15	0.91
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	15	0.91
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	15	0.91
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	15	0.91
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	15	0.91
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	15	0.91
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	15	0.91
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	2	0.91
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	2	0.91
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	2	0.91
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	2	0.91
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	2	0.91
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	2	0.91
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	2	0.91
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	2	0.91
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	2	0.91
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	20	0.91
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	20	0.91
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	20	0.91
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	20	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	20	0.91
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	20	0.91
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	14	0.91
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	14	0.91
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	14	0.91
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	14	0.91
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	14	0.91
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	14	0.91
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	4	0.91
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	4	0.91
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	4	0.91
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	6	0.91
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	6	0.91
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	6	0.91
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	14	0.91
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	14	0.91
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	14	0.91
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	14	0.91
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	14	0.91
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	14	0.91
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	14	0.91
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	14	0.91
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	14	0.91
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	14	0.91
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	14	0.91
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	14	0.91
(1,4162)	1:148:A:LEU:HD11	1:148:A:LEU:H	14	0.9
(1,4162)	1:148:A:LEU:HD12	1:148:A:LEU:H	14	0.9
(1,4162)	1:148:A:LEU:HD13	1:148:A:LEU:H	14	0.9
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	3	0.9
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	3	0.9
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	3	0.9
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	11	0.9
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	11	0.9
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	11	0.9
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	17	0.9
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	17	0.9
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	17	0.9
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG12	7	0.9
(1,2995)	1:123:A:LEU:HD21	1:125:A:ILE:HG13	7	0.9
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG12	7	0.9
(1,2995)	1:123:A:LEU:HD22	1:125:A:ILE:HG13	7	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG12	7	0.9
(1,2995)	1:123:A:LEU:HD23	1:125:A:ILE:HG13	7	0.9
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	2	0.9
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	2	0.9
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	2	0.9
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	17	0.9
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	17	0.9
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	17	0.9
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	9	0.9
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	9	0.9
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	9	0.9
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	9	0.9
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	9	0.9
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	9	0.9
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	10	0.9
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	10	0.9
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	10	0.9
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	10	0.9
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	10	0.9
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	10	0.9
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	14	0.9
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	14	0.9
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	14	0.9
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	14	0.9
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	14	0.9
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	14	0.9
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	3	0.9
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	3	0.9
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	3	0.9
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	19	0.9
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	19	0.9
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	19	0.9
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	5	0.9
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	5	0.9
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	5	0.9
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	5	0.9
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	5	0.9
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	5	0.9
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	5	0.9
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	5	0.9
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	5	0.9
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	5	0.9
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	5	0.9
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	17	0.9
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	17	0.9
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	17	0.9
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	17	0.9
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	17	0.9
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	17	0.9
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	4	0.9
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	4	0.9
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	4	0.9
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	4	0.9
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	4	0.9
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	4	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	12	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	12	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	12	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	12	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	12	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	12	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	13	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	13	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	13	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	13	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	13	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	13	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	16	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	16	0.9
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	16	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	16	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	16	0.9
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	16	0.9
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	14	0.9
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	14	0.9
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	14	0.9
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	14	0.9
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	14	0.9
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	14	0.9
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG21	7	0.9
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG22	7	0.9
(1,1026)	1:8:A:VAL:HA	1:54:A:VAL:HG23	7	0.9
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	3	0.9
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	3	0.9
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	19	0.9
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	19	0.9
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	19	0.9
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	13	0.9
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	13	0.9
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	13	0.9
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	9	0.89
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	9	0.89
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	9	0.89
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	7	0.89
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	7	0.89
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	7	0.89
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	9	0.89
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	9	0.89
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	9	0.89
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	15	0.89
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	15	0.89
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	15	0.89
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	11	0.89
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	11	0.89
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	11	0.89
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	7	0.89
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	7	0.89
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	7	0.89
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	14	0.89
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	14	0.89
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	14	0.89
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	20	0.89
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	20	0.89
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	20	0.89
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	9	0.89
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	9	0.89
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	9	0.89
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	5	0.89
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	5	0.89
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	5	0.89
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	5	0.89
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	5	0.89
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	5	0.89
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	5	0.89
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	5	0.89
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	1	0.89
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	1	0.89
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	1	0.89
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	9	0.89
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	9	0.89
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	9	0.89
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	7	0.89
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	7	0.89
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	7	0.89
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	7	0.89
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	7	0.89
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	7	0.89
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	16	0.89
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	16	0.89
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	16	0.89
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	16	0.89
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	16	0.89
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	16	0.89
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	8	0.89
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	8	0.89
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	8	0.89
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	8	0.89
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	8	0.89
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	8	0.89
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	13	0.89
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	13	0.89
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	13	0.89
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	13	0.89
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	13	0.89
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	13	0.89
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	19	0.89
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	19	0.89
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	19	0.89
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	1	0.89
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	1	0.89
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	1	0.89
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	1	0.89
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	1	0.89
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	1	0.89
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	1	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	1	0.89
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	1	0.89
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	1	0.89
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	1	0.89
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	1	0.89
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	9	0.89
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	9	0.89
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	9	0.89
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	9	0.89
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	9	0.89
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	9	0.89
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	9	0.89
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	9	0.89
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	9	0.89
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	9	0.89
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	9	0.89
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	9	0.89
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	5	0.89
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	5	0.89
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	5	0.89
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	5	0.89
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	5	0.89
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	5	0.89
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	5	0.89
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	5	0.89
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	5	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	7	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	7	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	7	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	7	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	7	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	7	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	13	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	13	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	13	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	13	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	13	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	13	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	16	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	16	0.89
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	16	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	16	0.89
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	16	0.89
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG11	15	0.89
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG12	15	0.89
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG13	15	0.89
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG11	15	0.89
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG12	15	0.89
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG13	15	0.89
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	8	0.89
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	8	0.89
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	8	0.89
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	8	0.89
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	8	0.89
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	8	0.89
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	18	0.89
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	18	0.89
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	18	0.89
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	18	0.89
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	18	0.89
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	18	0.89
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	8	0.89
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	8	0.89
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	8	0.89
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	8	0.89
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	8	0.89
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	8	0.89
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	13	0.89
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	13	0.89
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	13	0.89
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	13	0.89
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	13	0.89
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	13	0.89
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	19	0.89
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	19	0.89
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	19	0.89
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	7	0.89
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	7	0.89
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	7	0.89
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	14	0.89
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	14	0.89
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	14	0.89
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	20	0.89
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	20	0.89
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	2	0.88
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	2	0.88
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	2	0.88
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	5	0.88
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	5	0.88
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	5	0.88
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	9	0.88
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	9	0.88
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	9	0.88
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	8	0.88
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	8	0.88
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	8	0.88
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	12	0.88
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	12	0.88
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	12	0.88
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	20	0.88
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	20	0.88
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	20	0.88
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	10	0.88
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	10	0.88
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	10	0.88
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	18	0.88
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	18	0.88
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	18	0.88
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	5	0.88
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	5	0.88
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	5	0.88
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	8	0.88
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	8	0.88
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	8	0.88
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	16	0.88
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	16	0.88
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	16	0.88
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	15	0.88
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	15	0.88
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	15	0.88
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	15	0.88
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	15	0.88
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	15	0.88
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	18	0.88
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	18	0.88
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	18	0.88
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	18	0.88
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	18	0.88
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG21	6	0.88
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG22	6	0.88
(1,2442)	1:54:A:VAL:HG21	1:89:A:VAL:HG23	6	0.88
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG21	6	0.88
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG22	6	0.88
(1,2442)	1:54:A:VAL:HG22	1:89:A:VAL:HG23	6	0.88
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG21	6	0.88
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG22	6	0.88
(1,2442)	1:54:A:VAL:HG23	1:89:A:VAL:HG23	6	0.88
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG2	19	0.88
(1,1974)	1:119:A:VAL:HG11	1:86:A:ARG:HG3	19	0.88
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG2	19	0.88
(1,1974)	1:119:A:VAL:HG12	1:86:A:ARG:HG3	19	0.88
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG2	19	0.88
(1,1974)	1:119:A:VAL:HG13	1:86:A:ARG:HG3	19	0.88
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	4	0.88
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	4	0.88
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	4	0.88
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	16	0.88
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	16	0.88
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	16	0.88
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	16	0.88
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	16	0.88
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	16	0.88
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	16	0.88
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	16	0.88
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	16	0.88
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	16	0.88
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	16	0.88
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	16	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	3	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	3	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	3	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	3	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	3	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	3	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	5	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	5	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	5	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	5	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	5	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	11	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	11	0.88
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	11	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	11	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	11	0.88
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	11	0.88
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	4	0.88
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	4	0.88
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	4	0.88
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	11	0.88
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	11	0.88
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	11	0.88
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	11	0.88
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	11	0.88
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	11	0.88
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	19	0.88
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	19	0.88
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	19	0.88
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	19	0.88
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	19	0.88
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	19	0.88
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	11	0.88
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	11	0.88
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	11	0.88
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	11	0.88
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	11	0.88
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	11	0.88
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	19	0.88
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	19	0.88
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	19	0.88
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	19	0.88
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	19	0.88
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	19	0.88
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	5	0.88
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	5	0.88
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	5	0.88
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	8	0.88
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	8	0.88
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	16	0.88
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	16	0.88
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	16	0.88
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	16	0.88
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	16	0.88
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	16	0.88
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	19	0.87
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	19	0.87
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	19	0.87
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	4	0.87
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	4	0.87
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	4	0.87
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	2	0.87
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	2	0.87
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	2	0.87
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	18	0.87
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	18	0.87
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	18	0.87
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	1	0.87
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	1	0.87
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	1	0.87
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	4	0.87
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	4	0.87
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	4	0.87
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	8	0.87
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	8	0.87
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	8	0.87
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	11	0.87
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	11	0.87
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	11	0.87
(1,3525)	1:54:A:VAL:HG21	1:55:A:VAL:H	3	0.87
(1,3525)	1:54:A:VAL:HG22	1:55:A:VAL:H	3	0.87
(1,3525)	1:54:A:VAL:HG23	1:55:A:VAL:H	3	0.87
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	19	0.87
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	19	0.87
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	19	0.87
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	7	0.87
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	7	0.87
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	7	0.87
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	7	0.87
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	7	0.87
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	17	0.87
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	17	0.87
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	17	0.87
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	17	0.87
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	17	0.87
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	17	0.87
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	17	0.87
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	17	0.87
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	17	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	6	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	6	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	6	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	6	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	6	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	6	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	9	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	9	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	9	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	9	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	9	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	9	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	10	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	10	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	10	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	10	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	10	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	10	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	16	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	16	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	16	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	16	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	16	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	16	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	19	0.87
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	19	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	19	0.87
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	19	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	19	0.87
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	19	0.87
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	15	0.87
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	15	0.87
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	3	0.87
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	3	0.87
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	3	0.87
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	3	0.87
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	3	0.87
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	3	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	11	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	11	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	11	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	11	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	11	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	11	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	11	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	11	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	11	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	11	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	11	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	11	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	20	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	20	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	20	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	20	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	20	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	20	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	20	0.87
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	20	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	20	0.87
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	20	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	20	0.87
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	20	0.87
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG21	14	0.87
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG22	14	0.87
(1,1303)	1:37:A:GLU:HG2	1:35:A:VAL:HG23	14	0.87
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG21	14	0.87
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG22	14	0.87
(1,1303)	1:37:A:GLU:HG3	1:35:A:VAL:HG23	14	0.87
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	6	0.87
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	6	0.87
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	6	0.87
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	6	0.87
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	6	0.87
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	6	0.87
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	6	0.87
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	6	0.87
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	12	0.87
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	12	0.87
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	12	0.87
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	12	0.87
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	12	0.87
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	12	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	6	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	6	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	6	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	6	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	6	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	6	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	9	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	9	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	9	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	9	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	9	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	9	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	10	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	10	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	10	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	10	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	10	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	10	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	16	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	16	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	16	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	16	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	16	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	16	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	19	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	19	0.87
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	19	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	19	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	19	0.87
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	19	0.87
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	15	0.87
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	15	0.87
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	3	0.87
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	3	0.87
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	3	0.87
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	3	0.87
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	3	0.87
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	3	0.87
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	4	0.87
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	4	0.87
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	4	0.87
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	11	0.87
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	11	0.87
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	11	0.87
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	6	0.86
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	6	0.86
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	6	0.86
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	5	0.86
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	5	0.86
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	5	0.86
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	14	0.86
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	14	0.86
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	14	0.86
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	16	0.86
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	16	0.86
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	16	0.86
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	1	0.86
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	1	0.86
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	1	0.86
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	9	0.86
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	9	0.86
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	9	0.86
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	12	0.86
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	12	0.86
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	12	0.86
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	17	0.86
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	17	0.86
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	17	0.86
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	14	0.86
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	14	0.86
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	14	0.86
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	6	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	6	0.86
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	6	0.86
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	13	0.86
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	13	0.86
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	13	0.86
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	13	0.86
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	13	0.86
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	13	0.86
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD21	6	0.86
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD22	6	0.86
(1,2652)	1:46:A:PRO:HD2	1:45:A:LEU:HD23	6	0.86
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD21	6	0.86
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD22	6	0.86
(1,2652)	1:46:A:PRO:HD3	1:45:A:LEU:HD23	6	0.86
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG11	3	0.86
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG12	3	0.86
(1,2009)	1:90:A:ILE:HD11	1:141:A:VAL:HG13	3	0.86
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG11	3	0.86
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG12	3	0.86
(1,2009)	1:90:A:ILE:HD12	1:141:A:VAL:HG13	3	0.86
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG11	3	0.86
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG12	3	0.86
(1,2009)	1:90:A:ILE:HD13	1:141:A:VAL:HG13	3	0.86
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	13	0.86
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	13	0.86
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	13	0.86
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	13	0.86
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	13	0.86
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	13	0.86
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	10	0.86
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	10	0.86
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	10	0.86
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	18	0.86
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	18	0.86
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	18	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	3	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	3	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	3	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	3	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	3	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	3	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	3	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	3	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	3	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	3	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	3	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	8	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	8	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	8	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	8	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	8	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	8	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	8	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	8	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	8	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	8	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	8	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	8	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	12	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	12	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	12	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	12	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	12	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	12	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	12	0.86
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	12	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	12	0.86
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	12	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	12	0.86
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	12	0.86
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	15	0.86
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	15	0.86
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	15	0.86
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	15	0.86
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	15	0.86
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	15	0.86
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	13	0.86
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	13	0.86
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	13	0.86
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	13	0.86
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	13	0.86
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	13	0.86
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	13	0.86
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	13	0.86
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	13	0.86
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	13	0.86
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	13	0.86
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	15	0.86
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	15	0.86
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	15	0.86
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	17	0.86
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	17	0.86
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	17	0.86
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	10	0.86
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	10	0.86
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	10	0.86
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	18	0.86
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	18	0.86
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	18	0.86
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	4	0.86
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	4	0.86
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	4	0.86
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	4	0.86
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	4	0.86
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	4	0.86
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	4	0.86
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	4	0.86
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	4	0.86
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	4	0.86
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	4	0.86
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	4	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	1	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	1	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	1	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	9	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	9	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	9	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	12	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	12	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	12	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	17	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	17	0.86
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	17	0.86
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	14	0.86
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	14	0.86
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	4	0.85
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	4	0.85
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	4	0.85
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	20	0.85
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	20	0.85
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	20	0.85
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	4	0.85
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	4	0.85
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	4	0.85
(1,3695)	1:89:A:VAL:HG11	1:88:A:GLY:H	10	0.85
(1,3695)	1:89:A:VAL:HG12	1:88:A:GLY:H	10	0.85
(1,3695)	1:89:A:VAL:HG13	1:88:A:GLY:H	10	0.85
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	12	0.85
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	12	0.85
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	12	0.85
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	13	0.85
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	13	0.85
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	13	0.85
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	17	0.85
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	17	0.85
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	17	0.85
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	15	0.85
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	15	0.85
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	15	0.85
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	18	0.85
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	18	0.85
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	18	0.85
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	19	0.85
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	19	0.85
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	19	0.85
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	3	0.85
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	3	0.85
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	3	0.85
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG11	15	0.85
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG12	15	0.85
(1,2871)	1:54:A:VAL:HG21	1:89:A:VAL:HG13	15	0.85
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG11	15	0.85
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG12	15	0.85
(1,2871)	1:54:A:VAL:HG22	1:89:A:VAL:HG13	15	0.85
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG11	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG12	15	0.85
(1,2871)	1:54:A:VAL:HG23	1:89:A:VAL:HG13	15	0.85
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	1	0.85
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	1	0.85
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	1	0.85
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	1	0.85
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	1	0.85
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	1	0.85
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	10	0.85
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	10	0.85
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	10	0.85
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	10	0.85
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	10	0.85
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	10	0.85
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	15	0.85
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	15	0.85
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	15	0.85
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	15	0.85
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	15	0.85
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	15	0.85
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	15	0.85
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	15	0.85
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	15	0.85
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	1	0.85
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	1	0.85
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	1	0.85
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	1	0.85
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	1	0.85
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	1	0.85
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	17	0.85
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	17	0.85
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	17	0.85
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	17	0.85
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	17	0.85
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	17	0.85
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	14	0.85
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	14	0.85
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	14	0.85
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG21	15	0.85
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG22	15	0.85
(1,1321)	1:89:A:VAL:HG11	1:54:A:VAL:HG23	15	0.85
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG21	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG22	15	0.85
(1,1321)	1:89:A:VAL:HG12	1:54:A:VAL:HG23	15	0.85
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG21	15	0.85
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG22	15	0.85
(1,1321)	1:89:A:VAL:HG13	1:54:A:VAL:HG23	15	0.85
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	18	0.85
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	18	0.85
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	18	0.85
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	18	0.85
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	18	0.85
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	18	0.85
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	1	0.85
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	1	0.85
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	1	0.85
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	1	0.85
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	1	0.85
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	1	0.85
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	17	0.85
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	17	0.85
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	17	0.85
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	17	0.85
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	17	0.85
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	17	0.85
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	14	0.85
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	14	0.85
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	14	0.85
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	1	0.85
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	1	0.85
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	1	0.85
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	5	0.85
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	5	0.85
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	5	0.85
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	5	0.85
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	5	0.85
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	5	0.85
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	5	0.85
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	5	0.85
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	5	0.85
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	5	0.85
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	5	0.85
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	5	0.85
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	15	0.85
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	15	0.85
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	18	0.85
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	18	0.85
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	18	0.85
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	19	0.85
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	19	0.85
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	19	0.85
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	3	0.85
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	3	0.85
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	3	0.85
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	19	0.84
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	19	0.84
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	19	0.84
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	1	0.84
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	1	0.84
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	1	0.84
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	17	0.84
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	17	0.84
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	17	0.84
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	1	0.84
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	1	0.84
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	1	0.84
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	1	0.84
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	1	0.84
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	1	0.84
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	2	0.84
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	2	0.84
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	2	0.84
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	9	0.84
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	9	0.84
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	9	0.84
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	4	0.84
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	4	0.84
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	4	0.84
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	7	0.84
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	7	0.84
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	7	0.84
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	8	0.84
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	8	0.84
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	8	0.84
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	18	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	18	0.84
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	18	0.84
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	20	0.84
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	20	0.84
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	20	0.84
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	5	0.84
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	5	0.84
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	5	0.84
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	11	0.84
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	11	0.84
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	11	0.84
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	12	0.84
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	12	0.84
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	12	0.84
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	12	0.84
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	12	0.84
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	12	0.84
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	8	0.84
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	8	0.84
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	8	0.84
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	8	0.84
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	8	0.84
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	8	0.84
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	1	0.84
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	1	0.84
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	1	0.84
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	1	0.84
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	1	0.84
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	1	0.84
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	2	0.84
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	2	0.84
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	2	0.84
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	2	0.84
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	2	0.84
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	2	0.84
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	3	0.84
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	3	0.84
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	3	0.84
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	3	0.84
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	3	0.84
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	3	0.84
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	2	0.84
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	2	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	4	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	4	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	4	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	4	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	4	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	4	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	4	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	4	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	4	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	4	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	4	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	4	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	10	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	10	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	10	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	10	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	10	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	10	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	10	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	10	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	10	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	10	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	10	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	10	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	18	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	18	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	18	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	18	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	18	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	18	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	18	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	18	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	18	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	18	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	18	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	18	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	19	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	19	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	19	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	19	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	19	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	19	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	19	0.84
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	19	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	19	0.84
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	19	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	19	0.84
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	19	0.84
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	1	0.84
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	1	0.84
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	1	0.84
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	20	0.84
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	20	0.84
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	20	0.84
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	20	0.84
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	20	0.84
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	20	0.84
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	8	0.84
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	8	0.84
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	8	0.84
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	8	0.84
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	8	0.84
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	8	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	6	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	6	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	6	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	9	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	9	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	9	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	14	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	14	0.84
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	14	0.84
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	2	0.84
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	2	0.84
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	2	0.84
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	4	0.84
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	4	0.84
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	4	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	7	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	7	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	7	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	8	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	8	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	18	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	18	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	18	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	20	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	20	0.84
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	20	0.84
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	15	0.83
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	15	0.83
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	15	0.83
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	13	0.83
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	13	0.83
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	13	0.83
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	13	0.83
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	13	0.83
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	13	0.83
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	13	0.83
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	13	0.83
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	13	0.83
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	2	0.83
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	2	0.83
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	2	0.83
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	15	0.83
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	15	0.83
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	15	0.83
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	19	0.83
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	19	0.83
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	19	0.83
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	3	0.83
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	3	0.83
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	3	0.83
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	2	0.83
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	2	0.83
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	2	0.83
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	13	0.83
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	13	0.83
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	13	0.83
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	10	0.83
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	10	0.83
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	10	0.83
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	11	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	11	0.83
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	11	0.83
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	16	0.83
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	16	0.83
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	16	0.83
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	17	0.83
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	17	0.83
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	17	0.83
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	19	0.83
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	19	0.83
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	19	0.83
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	15	0.83
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	15	0.83
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	15	0.83
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	4	0.83
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	4	0.83
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	4	0.83
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	15	0.83
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	15	0.83
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	15	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	5	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	5	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	5	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	5	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	5	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	5	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	6	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	6	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	6	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	6	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	6	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	6	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	15	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	15	0.83
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	15	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	15	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	15	0.83
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	15	0.83
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	10	0.83
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	10	0.83
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	10	0.83
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	10	0.83
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	10	0.83
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	15	0.83
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	15	0.83
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	15	0.83
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	15	0.83
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	15	0.83
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	15	0.83
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	3	0.83
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	3	0.83
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	3	0.83
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	2	0.83
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	2	0.83
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	2	0.83
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	2	0.83
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	2	0.83
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	2	0.83
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	2	0.83
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	2	0.83
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	2	0.83
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	2	0.83
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	2	0.83
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	2	0.83
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	13	0.83
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	13	0.83
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	13	0.83
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	13	0.83
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	13	0.83
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	13	0.83
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB2	13	0.83
(1,1419)	1:79:A:LEU:HD11	1:78:A:SER:HB3	13	0.83
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB2	13	0.83
(1,1419)	1:79:A:LEU:HD12	1:78:A:SER:HB3	13	0.83
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB2	13	0.83
(1,1419)	1:79:A:LEU:HD13	1:78:A:SER:HB3	13	0.83
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	10	0.83
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	10	0.83
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	10	0.83
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	10	0.83
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	10	0.83
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	10	0.83
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	10	0.83
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	10	0.83
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	14	0.83
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	14	0.83
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	14	0.83
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	14	0.83
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	14	0.83
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	14	0.83
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	14	0.83
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	14	0.83
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	14	0.83
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG21	6	0.83
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG22	6	0.83
(1,1212)	1:122:A:MET:HG2	1:89:A:VAL:HG23	6	0.83
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG21	6	0.83
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG22	6	0.83
(1,1212)	1:122:A:MET:HG3	1:89:A:VAL:HG23	6	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	7	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	7	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	7	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	8	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	8	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	8	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	13	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	13	0.83
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	13	0.83
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG11	3	0.83
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG12	3	0.83
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG13	3	0.83
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	2	0.83
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	2	0.83
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	2	0.83
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	13	0.83
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	13	0.83
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	13	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	10	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	10	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	10	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	11	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	11	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	11	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	16	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	16	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	16	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	17	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	17	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	17	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	19	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	19	0.83
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	19	0.83
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	15	0.82
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	15	0.82
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	15	0.82
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	18	0.82
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	18	0.82
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	18	0.82
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	9	0.82
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	9	0.82
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	9	0.82
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	18	0.82
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	18	0.82
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	18	0.82
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	4	0.82
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	4	0.82
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	4	0.82
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	3	0.82
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	3	0.82
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	3	0.82
(1,3628)	1:79:A:LEU:HD11	1:79:A:LEU:H	10	0.82
(1,3628)	1:79:A:LEU:HD12	1:79:A:LEU:H	10	0.82
(1,3628)	1:79:A:LEU:HD13	1:79:A:LEU:H	10	0.82
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	1	0.82
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	1	0.82
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	1	0.82
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	5	0.82
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	5	0.82
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	5	0.82
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	6	0.82
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	6	0.82
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	6	0.82
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	13	0.82
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	13	0.82
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	13	0.82
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	15	0.82
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	15	0.82
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	12	0.82
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	12	0.82
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	12	0.82
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	12	0.82
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	12	0.82
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	12	0.82
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	14	0.82
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	14	0.82
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	14	0.82
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	14	0.82
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	14	0.82
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	14	0.82
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	14	0.82
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	14	0.82
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	14	0.82
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	14	0.82
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	14	0.82
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	14	0.82
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	14	0.82
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	14	0.82
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	14	0.82
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	14	0.82
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	14	0.82
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	14	0.82
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	16	0.82
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	16	0.82
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	16	0.82
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	16	0.82
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	16	0.82
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	16	0.82
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	16	0.82
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	16	0.82
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	16	0.82
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	16	0.82
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	16	0.82
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	16	0.82
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	16	0.82
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	16	0.82
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	16	0.82
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	16	0.82
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	16	0.82
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	17	0.82
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	17	0.82
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	17	0.82
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	2	0.82
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	2	0.82
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	2	0.82
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	2	0.82
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	2	0.82
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	2	0.82
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	4	0.82
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	4	0.82
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	4	0.82
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	12	0.82
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	12	0.82
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	12	0.82
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	12	0.82
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	12	0.82
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	12	0.82
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	14	0.82
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	14	0.82
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	14	0.82
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	14	0.82
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	14	0.82
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	14	0.82
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	19	0.82
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	19	0.82
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	19	0.82
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	19	0.82
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	19	0.82
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	19	0.82
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	6	0.82
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	6	0.82
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	6	0.82
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	7	0.82
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	7	0.82
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	7	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	8	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	8	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	8	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	8	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	8	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	8	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	8	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	8	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	8	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	16	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	16	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	16	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	16	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	16	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	16	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	16	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	16	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	16	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	17	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	17	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	17	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	17	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	17	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	17	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	17	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	17	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	17	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	20	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	20	0.82
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	20	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	20	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	20	0.82
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	20	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	20	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	20	0.82
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	20	0.82
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	10	0.82
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	10	0.82
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	10	0.82
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	10	0.82
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	10	0.82
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	10	0.82
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	2	0.82
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	2	0.82
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	2	0.82
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	2	0.82
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	2	0.82
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	12	0.82
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	12	0.82
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	12	0.82
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	12	0.82
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	12	0.82
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	12	0.82
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	14	0.82
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	14	0.82
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	14	0.82
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	14	0.82
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	14	0.82
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	14	0.82
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	12	0.82
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	12	0.82
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	12	0.82
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	12	0.82
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	12	0.82
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	12	0.82
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	14	0.82
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	14	0.82
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	14	0.82
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	14	0.82
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	14	0.82
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	14	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	2	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	2	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	2	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	10	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	10	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	10	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	12	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	12	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	12	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	16	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	16	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	16	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	20	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	20	0.82
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	20	0.82
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	19	0.82
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	19	0.82
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	19	0.82
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	19	0.82
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	19	0.82
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	6	0.82
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	6	0.82
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	6	0.82
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	7	0.82
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	7	0.82
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	7	0.82
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	3	0.82
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	3	0.82
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	3	0.82
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD11	10	0.82
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD12	10	0.82
(1,575)	1:79:A:LEU:H	1:79:A:LEU:HD13	10	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	1	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	1	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	1	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	5	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	5	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	5	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	6	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	6	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	6	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	13	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	13	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	13	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	15	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	15	0.82
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	15	0.82
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	12	0.82
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	12	0.82
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	12	0.82
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	2	0.81
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	2	0.81
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	2	0.81
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	5	0.81
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	5	0.81
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	5	0.81
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	8	0.81
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	8	0.81
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	14	0.81
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	14	0.81
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	14	0.81
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	2	0.81
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	2	0.81
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	2	0.81
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	9	0.81
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	9	0.81
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	9	0.81
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	12	0.81
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	12	0.81
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	12	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	17	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	17	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	17	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	17	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	17	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	17	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	18	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	18	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	18	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	18	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	18	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	18	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	20	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	20	0.81
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	20	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	20	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	20	0.81
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	20	0.81
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	19	0.81
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	19	0.81
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	19	0.81
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	19	0.81
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	19	0.81
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	19	0.81
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	14	0.81
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	14	0.81
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	14	0.81
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	5	0.81
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	5	0.81
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	19	0.81
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	19	0.81
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	19	0.81
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	19	0.81
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	19	0.81
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	19	0.81
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	19	0.81
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	19	0.81
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	19	0.81
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	3	0.81
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	3	0.81
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	3	0.81
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	5	0.81
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	5	0.81
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	5	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	11	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	11	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	11	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	18	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	18	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	18	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	19	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	19	0.81
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	19	0.81
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	2	0.81
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	2	0.81
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	2	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	2	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	2	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	2	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	9	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	9	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	9	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	12	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	12	0.81
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	12	0.81
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	12	0.8
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	12	0.8
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	12	0.8
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	11	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	11	0.8
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	11	0.8
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	13	0.8
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	13	0.8
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	13	0.8
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	7	0.8
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	7	0.8
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	7	0.8
(1,2867)	1:54:A:VAL:HG21	1:89:A:VAL:HA	19	0.8
(1,2867)	1:54:A:VAL:HG22	1:89:A:VAL:HA	19	0.8
(1,2867)	1:54:A:VAL:HG23	1:89:A:VAL:HA	19	0.8
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	4	0.8
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	4	0.8
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	4	0.8
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	4	0.8
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	4	0.8
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	4	0.8
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	8	0.8
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	8	0.8
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	8	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	8	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	8	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	8	0.8
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	16	0.8
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	16	0.8
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	16	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	16	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	16	0.8
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	16	0.8
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	11	0.8
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	11	0.8
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	11	0.8
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	11	0.8
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	11	0.8
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	11	0.8
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	3	0.8
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	3	0.8
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	3	0.8
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	7	0.8
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	7	0.8
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	7	0.8
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	3	0.8
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	3	0.8
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	7	0.8
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	7	0.8
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	7	0.8
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG11	12	0.8
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG12	12	0.8
(1,1176)	1:20:A:GLU:HG2	1:35:A:VAL:HG13	12	0.8
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG11	12	0.8
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG12	12	0.8
(1,1176)	1:20:A:GLU:HG3	1:35:A:VAL:HG13	12	0.8
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	1	0.8
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	1	0.8
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	1	0.8
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	1	0.8
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	1	0.8
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	1	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	1	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	1	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	1	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	12	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	12	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	12	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	18	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	18	0.8
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	18	0.8
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG11	4	0.8
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG12	4	0.8
(1,964)	1:34:A:THR:HB	1:35:A:VAL:HG13	4	0.8
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	9	0.79
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	9	0.79
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	9	0.79
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	5	0.79
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	5	0.79
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	5	0.79
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	9	0.79
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	9	0.79
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	9	0.79
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	12	0.79
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	12	0.79
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	12	0.79
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	17	0.79
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	17	0.79
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	3	0.79
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	3	0.79
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	3	0.79
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	14	0.79
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	14	0.79
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	14	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	2	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	2	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	2	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	2	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	2	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	2	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	4	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	4	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	4	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	4	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	4	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	4	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	11	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	11	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	11	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	11	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	11	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	11	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	13	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	13	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	13	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	13	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	13	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	13	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	19	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	19	0.79
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	19	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	19	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	19	0.79
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	19	0.79
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	9	0.79
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	9	0.79
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	9	0.79
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	9	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	9	0.79
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	9	0.79
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	3	0.79
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	3	0.79
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	3	0.79
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	3	0.79
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	3	0.79
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	3	0.79
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	4	0.79
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	4	0.79
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	4	0.79
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	4	0.79
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	4	0.79
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	4	0.79
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	4	0.79
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	4	0.79
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	4	0.79
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	4	0.79
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	4	0.79
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	4	0.79
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	4	0.79
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	4	0.79
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	4	0.79
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	20	0.79
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	20	0.79
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	20	0.79
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	4	0.79
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	4	0.79
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	4	0.79
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	4	0.79
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	4	0.79
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	4	0.79
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA2	5	0.79
(1,2038)	1:148:A:LEU:HD11	1:145:A:GLY:HA3	5	0.79
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA2	5	0.79
(1,2038)	1:148:A:LEU:HD12	1:145:A:GLY:HA3	5	0.79
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA2	5	0.79
(1,2038)	1:148:A:LEU:HD13	1:145:A:GLY:HA3	5	0.79
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	5	0.79
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	5	0.79
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	5	0.79
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	5	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	5	0.79
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	5	0.79
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	5	0.79
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	5	0.79
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	5	0.79
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	4	0.79
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	4	0.79
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	4	0.79
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	4	0.79
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	4	0.79
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	4	0.79
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD11	5	0.79
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD12	5	0.79
(1,1115)	1:145:A:GLY:HA2	1:148:A:LEU:HD13	5	0.79
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD11	5	0.79
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD12	5	0.79
(1,1115)	1:145:A:GLY:HA3	1:148:A:LEU:HD13	5	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	6	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	6	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	6	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	7	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	7	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	7	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	8	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	8	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	8	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	9	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	9	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	9	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	20	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	20	0.79
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	20	0.79
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	20	0.78
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	20	0.78
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	20	0.78
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	7	0.78
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	7	0.78
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	7	0.78
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	2	0.78
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	2	0.78
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	2	0.78
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	17	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	17	0.78
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	17	0.78
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	6	0.78
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	6	0.78
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	6	0.78
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	15	0.78
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	15	0.78
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	15	0.78
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	7	0.78
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	7	0.78
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	7	0.78
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	7	0.78
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	7	0.78
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	7	0.78
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	15	0.78
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	15	0.78
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	15	0.78
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	15	0.78
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	15	0.78
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	15	0.78
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	7	0.78
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	7	0.78
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	7	0.78
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	7	0.78
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	7	0.78
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	7	0.78
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	9	0.78
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	9	0.78
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	9	0.78
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	9	0.78
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	9	0.78
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	9	0.78
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	14	0.78
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	14	0.78
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	14	0.78
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	14	0.78
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	14	0.78
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	14	0.78
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	20	0.78
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	20	0.78
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	20	0.78
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	20	0.78
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	20	0.78
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	5	0.78
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	5	0.78
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	5	0.78
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	5	0.78
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	5	0.78
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	5	0.78
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	18	0.78
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	18	0.78
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	18	0.78
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	18	0.78
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	18	0.78
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	18	0.78
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	18	0.78
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	18	0.78
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	18	0.78
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	18	0.78
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	18	0.78
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	18	0.78
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	6	0.78
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	6	0.78
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	6	0.78
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	16	0.78
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	16	0.78
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	16	0.78
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	16	0.78
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	16	0.78
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	16	0.78
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	16	0.78
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	16	0.78
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	16	0.78
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	4	0.78
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	4	0.78
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	4	0.78
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	4	0.78
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	4	0.78
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	4	0.78
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	4	0.78
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	4	0.78
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	4	0.78
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	9	0.78
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	9	0.78
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	9	0.78
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	9	0.78
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	9	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	11	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	11	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	11	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	15	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	15	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	15	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	17	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	17	0.78
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	17	0.78
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	15	0.78
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	15	0.78
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	15	0.78
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	5	0.78
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	5	0.78
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	5	0.78
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	11	0.78
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	11	0.78
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	11	0.78
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	7	0.77
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	7	0.77
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	7	0.77
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	10	0.77
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	10	0.77
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	10	0.77
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	3	0.77
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	3	0.77
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	3	0.77
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	7	0.77
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	7	0.77
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	7	0.77
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	15	0.77
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	15	0.77
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	15	0.77
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	6	0.77
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	6	0.77
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	6	0.77
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	6	0.77
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	6	0.77
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD21	3	0.77
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD22	3	0.77
(1,2770)	1:70:A:PRO:HG2	1:71:A:LEU:HD23	3	0.77
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD21	3	0.77
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD22	3	0.77
(1,2770)	1:70:A:PRO:HG3	1:71:A:LEU:HD23	3	0.77
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	16	0.77
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	16	0.77
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	16	0.77
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	16	0.77
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	16	0.77
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	16	0.77
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	17	0.77
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	17	0.77
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	17	0.77
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	17	0.77
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	17	0.77
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	17	0.77
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	18	0.77
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	18	0.77
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	18	0.77
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	18	0.77
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	18	0.77
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	18	0.77
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	8	0.77
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	8	0.77
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	8	0.77
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	8	0.77
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	8	0.77
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	8	0.77
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	10	0.77
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	10	0.77
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	10	0.77
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	10	0.77
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	10	0.77
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	10	0.77
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	16	0.77
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	16	0.77
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	16	0.77
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	19	0.77
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	19	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	1	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	1	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	1	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	1	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	1	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	1	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	1	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	1	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	1	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	3	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	3	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	3	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	3	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	3	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	3	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	3	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	3	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	3	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	7	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	7	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	7	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	7	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	7	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	7	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	7	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	7	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	7	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	18	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	18	0.77
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	18	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	18	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	18	0.77
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	18	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	18	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	18	0.77
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	18	0.77
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	12	0.77
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	12	0.77
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	12	0.77
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	12	0.77
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	12	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	2	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	2	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	2	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	10	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	10	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	10	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	14	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	14	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	14	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	19	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	19	0.77
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	19	0.77
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	1	0.76
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	1	0.76
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	1	0.76
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	8	0.76
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	8	0.76
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	8	0.76
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	18	0.76
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	18	0.76
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	18	0.76
(1,3718)	1:89:A:VAL:HG11	1:90:A:ILE:H	11	0.76
(1,3718)	1:89:A:VAL:HG12	1:90:A:ILE:H	11	0.76
(1,3718)	1:89:A:VAL:HG13	1:90:A:ILE:H	11	0.76
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	19	0.76
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	19	0.76
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	19	0.76
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	2	0.76
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	2	0.76
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	2	0.76
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	2	0.76
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	2	0.76
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	2	0.76
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	13	0.76
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	13	0.76
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	13	0.76
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	13	0.76
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	13	0.76
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	13	0.76
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	16	0.76
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	16	0.76
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	16	0.76
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	16	0.76
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	16	0.76
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	16	0.76
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	16	0.76
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	16	0.76
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	3	0.76
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	3	0.76
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	3	0.76
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	6	0.76
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	6	0.76
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	6	0.76
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	13	0.76
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	13	0.76
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	13	0.76
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	8	0.76
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	8	0.76
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	8	0.76
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	11	0.76
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	11	0.76
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	11	0.76
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	20	0.76
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	20	0.76
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	20	0.76
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	6	0.76
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	6	0.76
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	6	0.76
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	13	0.76
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	13	0.76
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	13	0.76
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD21	17	0.76
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD22	17	0.76
(1,1166)	1:87:A:TYR:HB2	1:111:A:LEU:HD23	17	0.76
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD21	17	0.76
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD22	17	0.76
(1,1166)	1:87:A:TYR:HB3	1:111:A:LEU:HD23	17	0.76
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	11	0.76
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	11	0.76
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	11	0.76
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	11	0.76
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	11	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	4	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	4	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	4	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	5	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	5	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	5	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	13	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	13	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	13	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD11	16	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD12	16	0.76
(1,1009)	1:144:A:TRP:HA	1:147:A:LEU:HD13	16	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	8	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	8	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	8	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	11	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	11	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	11	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	20	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	20	0.76
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	20	0.76
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG11	11	0.76
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG12	11	0.76
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG13	11	0.76
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	18	0.76
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	18	0.76
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	18	0.76
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	18	0.76
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	18	0.76
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	18	0.76
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	5	0.75
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	5	0.75
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	5	0.75
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	11	0.75
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	11	0.75
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	11	0.75
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	17	0.75
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	17	0.75
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	17	0.75
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	15	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	15	0.75
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	15	0.75
(1,3718)	1:89:A:VAL:HG11	1:90:A:ILE:H	5	0.75
(1,3718)	1:89:A:VAL:HG12	1:90:A:ILE:H	5	0.75
(1,3718)	1:89:A:VAL:HG13	1:90:A:ILE:H	5	0.75
(1,3718)	1:89:A:VAL:HG11	1:90:A:ILE:H	15	0.75
(1,3718)	1:89:A:VAL:HG12	1:90:A:ILE:H	15	0.75
(1,3718)	1:89:A:VAL:HG13	1:90:A:ILE:H	15	0.75
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	7	0.75
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	7	0.75
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	7	0.75
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	5	0.75
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	5	0.75
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	5	0.75
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	10	0.75
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	10	0.75
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	10	0.75
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	14	0.75
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	14	0.75
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	14	0.75
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	15	0.75
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	15	0.75
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	15	0.75
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	20	0.75
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	20	0.75
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	20	0.75
(1,3675)	1:85:A:LEU:HD21	1:86:A:ARG:H	5	0.75
(1,3675)	1:85:A:LEU:HD22	1:86:A:ARG:H	5	0.75
(1,3675)	1:85:A:LEU:HD23	1:86:A:ARG:H	5	0.75
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	19	0.75
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	19	0.75
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	19	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	11	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	11	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	11	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	11	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	11	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	11	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	12	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	12	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	12	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	12	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	12	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	19	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	19	0.75
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	19	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	19	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	19	0.75
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	19	0.75
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	19	0.75
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	19	0.75
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	19	0.75
(1,2037)	1:119:A:VAL:HG21	1:148:A:LEU:HA	18	0.75
(1,2037)	1:119:A:VAL:HG22	1:148:A:LEU:HA	18	0.75
(1,2037)	1:119:A:VAL:HG23	1:148:A:LEU:HA	18	0.75
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	4	0.75
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	4	0.75
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	4	0.75
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	9	0.75
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	9	0.75
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	9	0.75
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	9	0.75
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	9	0.75
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	9	0.75
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	9	0.75
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	9	0.75
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	9	0.75
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	15	0.75
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	15	0.75
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	15	0.75
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	15	0.75
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	15	0.75
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	15	0.75
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	15	0.75
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	15	0.75
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	15	0.75
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	4	0.75
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	4	0.75
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	4	0.75
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	13	0.75
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	13	0.75
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	13	0.75
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG21	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG22	18	0.75
(1,1003)	1:148:A:LEU:HA	1:119:A:VAL:HG23	18	0.75
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	18	0.75
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	18	0.75
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	18	0.75
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	18	0.75
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	18	0.75
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	18	0.75
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	18	0.75
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	18	0.75
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	18	0.75
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	18	0.75
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	18	0.75
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	18	0.75
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	19	0.75
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	19	0.75
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	19	0.75
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG11	5	0.75
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG12	5	0.75
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG13	5	0.75
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG11	15	0.75
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG12	15	0.75
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG13	15	0.75
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	5	0.75
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	5	0.75
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	5	0.75
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG11	19	0.75
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG12	19	0.75
(1,586)	1:86:A:ARG:HE	1:119:A:VAL:HG13	19	0.75
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	11	0.74
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	11	0.74
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	11	0.74
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	2	0.74
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	2	0.74
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	2	0.74
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	10	0.74
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	10	0.74
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	10	0.74
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	7	0.74
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	7	0.74
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	7	0.74
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	9	0.74
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	9	0.74
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	2	0.74
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	2	0.74
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	2	0.74
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	2	0.74
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	2	0.74
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	2	0.74
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	4	0.74
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	4	0.74
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	4	0.74
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	4	0.74
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	4	0.74
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	4	0.74
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	11	0.74
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	11	0.74
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	11	0.74
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	11	0.74
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	11	0.74
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	11	0.74
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	19	0.74
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	19	0.74
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	19	0.74
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	19	0.74
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	19	0.74
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	19	0.74
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	13	0.74
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	13	0.74
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	13	0.74
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	13	0.74
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	13	0.74
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	13	0.74
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	9	0.74
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	9	0.74
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	9	0.74
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	9	0.74
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	9	0.74
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	9	0.74
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	20	0.74
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	20	0.74
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	20	0.74
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	20	0.74
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	20	0.74
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	4	0.74
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	4	0.74
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	4	0.74
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	4	0.74
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	4	0.74
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	4	0.74
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	11	0.74
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	11	0.74
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	11	0.74
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	11	0.74
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	11	0.74
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	11	0.74
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	8	0.74
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	8	0.74
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	8	0.74
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	14	0.74
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	14	0.74
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	14	0.74
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	4	0.74
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	4	0.74
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	4	0.74
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	4	0.74
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	4	0.74
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	4	0.74
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	14	0.74
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	14	0.74
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	14	0.74
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	4	0.74
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	4	0.74
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	4	0.74
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	4	0.74
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	4	0.74
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	4	0.74
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	4	0.74
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	4	0.74
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	4	0.74
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	4	0.74
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	4	0.74
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	4	0.74
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	4	0.74
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	4	0.74
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG11	15	0.74
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG12	15	0.74
(1,646)	1:98:A:VAL:H	1:98:A:VAL:HG13	15	0.74
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	9	0.74
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	9	0.74
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	9	0.74
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	3	0.74
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	3	0.74
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	3	0.74
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	18	0.73
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	18	0.73
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	18	0.73
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	12	0.73
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	12	0.73
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	12	0.73
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	7	0.73
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	7	0.73
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	7	0.73
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	6	0.73
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	6	0.73
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	6	0.73
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	16	0.73
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	16	0.73
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	16	0.73
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	18	0.73
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	18	0.73
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	18	0.73
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	16	0.73
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	16	0.73
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	16	0.73
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	16	0.73
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	16	0.73
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	16	0.73
(1,3259)	1:26:A:LEU:HD11	1:26:A:LEU:H	4	0.73
(1,3259)	1:26:A:LEU:HD12	1:26:A:LEU:H	4	0.73
(1,3259)	1:26:A:LEU:HD13	1:26:A:LEU:H	4	0.73
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	1	0.73
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	1	0.73
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	1	0.73
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	1	0.73
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	1	0.73
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	18	0.73
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	18	0.73
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	18	0.73
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	10	0.73
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	10	0.73
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	10	0.73
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	10	0.73
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	10	0.73
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	10	0.73
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	16	0.73
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	16	0.73
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	16	0.73
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	16	0.73
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	16	0.73
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	16	0.73
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	5	0.73
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	5	0.73
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	5	0.73
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	5	0.73
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	5	0.73
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	5	0.73
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	1	0.73
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	1	0.73
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	1	0.73
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	1	0.73
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	1	0.73
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	1	0.73
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	2	0.73
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	2	0.73
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	2	0.73
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	2	0.73
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	2	0.73
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	2	0.73
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	12	0.73
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	12	0.73
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	12	0.73
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	16	0.73
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	16	0.73
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	16	0.73
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	16	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	16	0.73
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	16	0.73
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	13	0.73
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	13	0.73
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	13	0.73
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	13	0.73
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	13	0.73
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	13	0.73
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	13	0.73
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	13	0.73
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	13	0.73
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	12	0.73
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	12	0.73
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	12	0.73
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	17	0.73
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	17	0.73
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	17	0.73
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	8	0.73
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	8	0.73
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	8	0.73
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	8	0.73
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	8	0.73
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	8	0.73
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	16	0.73
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	16	0.73
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	16	0.73
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	16	0.73
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	16	0.73
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	16	0.73
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	16	0.73
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	16	0.73
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	16	0.73
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	16	0.73
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	16	0.73
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	16	0.73
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	1	0.73
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	1	0.73
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	1	0.73
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	1	0.73
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	1	0.73
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	1	0.73
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD11	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD12	4	0.73
(1,574)	1:26:A:LEU:H	1:26:A:LEU:HD13	4	0.73
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	13	0.73
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	13	0.73
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	13	0.73
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	15	0.73
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	15	0.73
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	15	0.73
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	19	0.72
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	19	0.72
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	19	0.72
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	1	0.72
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	1	0.72
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	1	0.72
(1,3718)	1:89:A:VAL:HG11	1:90:A:ILE:H	2	0.72
(1,3718)	1:89:A:VAL:HG12	1:90:A:ILE:H	2	0.72
(1,3718)	1:89:A:VAL:HG13	1:90:A:ILE:H	2	0.72
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	11	0.72
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	11	0.72
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	11	0.72
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	18	0.72
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	18	0.72
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	18	0.72
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	2	0.72
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	2	0.72
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	2	0.72
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	11	0.72
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	11	0.72
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	11	0.72
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	11	0.72
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	11	0.72
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	11	0.72
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	16	0.72
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	16	0.72
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	16	0.72
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	16	0.72
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	16	0.72
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	16	0.72
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	19	0.72
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	19	0.72
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	19	0.72
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	18	0.72
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	18	0.72
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	18	0.72
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	18	0.72
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	18	0.72
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	10	0.72
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	10	0.72
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	10	0.72
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	15	0.72
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	15	0.72
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	15	0.72
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	12	0.72
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	12	0.72
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	12	0.72
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	19	0.72
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	19	0.72
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	19	0.72
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	19	0.72
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	19	0.72
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	19	0.72
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	19	0.72
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	19	0.72
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	19	0.72
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	12	0.72
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	12	0.72
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	12	0.72
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	11	0.72
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	11	0.72
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	11	0.72
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	11	0.72
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	11	0.72
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	11	0.72
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	16	0.72
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	16	0.72
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	16	0.72
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	16	0.72
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	16	0.72
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	16	0.72
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG11	2	0.72
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG12	2	0.72
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG13	2	0.72
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	14	0.72
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	14	0.72
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	15	0.71
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	15	0.71
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	15	0.71
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	3	0.71
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	3	0.71
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	3	0.71
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	5	0.71
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	5	0.71
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	5	0.71
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	6	0.71
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	6	0.71
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	6	0.71
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	9	0.71
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	9	0.71
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	9	0.71
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	15	0.71
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	15	0.71
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	15	0.71
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	16	0.71
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	16	0.71
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	16	0.71
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	12	0.71
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	12	0.71
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	12	0.71
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	20	0.71
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	20	0.71
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	20	0.71
(1,3718)	1:89:A:VAL:HG11	1:90:A:ILE:H	19	0.71
(1,3718)	1:89:A:VAL:HG12	1:90:A:ILE:H	19	0.71
(1,3718)	1:89:A:VAL:HG13	1:90:A:ILE:H	19	0.71
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	1	0.71
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	1	0.71
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	1	0.71
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	1	0.71
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	1	0.71
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	1	0.71
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	2	0.71
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	2	0.71
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	2	0.71
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	14	0.71
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	14	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	7	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	7	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	7	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	7	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	7	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	7	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	8	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	8	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	8	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	8	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	8	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	8	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	12	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	12	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	12	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	12	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	12	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	12	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	17	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	17	0.71
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	17	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	17	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	17	0.71
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	17	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	3	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	3	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	3	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	5	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	5	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	5	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	6	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	6	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	6	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	9	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	9	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	9	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	15	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	15	0.71
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	15	0.71
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	18	0.71
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	18	0.71
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	18	0.71
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	18	0.71
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	18	0.71
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	3	0.71
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	3	0.71
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	3	0.71
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	3	0.71
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	3	0.71
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	3	0.71
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	15	0.71
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	15	0.71
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	15	0.71
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	15	0.71
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	15	0.71
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	15	0.71
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	17	0.71
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	17	0.71
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	17	0.71
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	17	0.71
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	17	0.71
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	17	0.71
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	17	0.71
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	17	0.71
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	17	0.71
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	19	0.71
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	19	0.71
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	19	0.71
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	19	0.71
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	19	0.71
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	19	0.71
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	19	0.71
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	19	0.71
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	19	0.71
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	4	0.71
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	4	0.71
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	4	0.71
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	11	0.71
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	11	0.71
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	11	0.71
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	18	0.71
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	18	0.71
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	18	0.71
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	18	0.71
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	18	0.71
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	18	0.71
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	18	0.71
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	18	0.71
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	15	0.71
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	15	0.71
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	15	0.71
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	15	0.71
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	15	0.71
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	15	0.71
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	15	0.71
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	15	0.71
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	15	0.71
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	12	0.71
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	12	0.71
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	12	0.71
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	12	0.71
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	12	0.71
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	12	0.71
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	12	0.71
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	12	0.71
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	12	0.71
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	2	0.71
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	2	0.71
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	2	0.71
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	6	0.71
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	6	0.71
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	6	0.71
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	18	0.71
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	18	0.71
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	18	0.71
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	18	0.71
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	18	0.71
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	18	0.71
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	18	0.71
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	18	0.71
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	18	0.71
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	18	0.71
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	18	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	7	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	7	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	7	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	7	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	7	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	7	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	8	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	8	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	8	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	8	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	8	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	8	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	12	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	12	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	12	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	12	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	12	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	12	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	17	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	17	0.71
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	17	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	17	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	17	0.71
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	17	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	1	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	1	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	1	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	2	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	2	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	2	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	14	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	14	0.71
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	14	0.71
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	16	0.71
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	16	0.71
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	16	0.71
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	18	0.71
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	18	0.71
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	18	0.71
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG11	19	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG12	19	0.71
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG13	19	0.71
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	15	0.71
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	15	0.71
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	15	0.71
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	16	0.71
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	16	0.71
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	16	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	3	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	3	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	3	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	8	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	8	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	8	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	17	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	17	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	17	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	20	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	20	0.71
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	20	0.71
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	2	0.7
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	2	0.7
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	2	0.7
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	8	0.7
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	8	0.7
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	8	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	9	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	9	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	9	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	9	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	9	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	9	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	14	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	14	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	14	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	14	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	14	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	14	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	15	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	15	0.7
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	15	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	15	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	15	0.7
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	15	0.7
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	2	0.7
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	2	0.7
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	2	0.7
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	7	0.7
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	7	0.7
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	7	0.7
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	7	0.7
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	7	0.7
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	7	0.7
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	6	0.7
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	6	0.7
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	6	0.7
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	6	0.7
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	6	0.7
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	6	0.7
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	17	0.7
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	17	0.7
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	17	0.7
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	17	0.7
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	17	0.7
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	17	0.7
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	7	0.7
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	7	0.7
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	7	0.7
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	9	0.7
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	9	0.7
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	9	0.7
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	2	0.7
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	2	0.7
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	2	0.7
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	7	0.7
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	7	0.7
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	7	0.7
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	7	0.7
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	7	0.7
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	7	0.7
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	11	0.7
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	11	0.7
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	11	0.7
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	11	0.7
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	11	0.7
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	3	0.7
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	3	0.7
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	3	0.7
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	16	0.7
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	16	0.7
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	16	0.7
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	7	0.7
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	7	0.7
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	7	0.7
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	7	0.7
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	7	0.7
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	7	0.7
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	7	0.7
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	7	0.7
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	7	0.7
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	7	0.7
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	7	0.7
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	7	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	9	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	9	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	9	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	9	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	9	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	9	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	14	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	14	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	14	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	14	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	14	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	14	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	15	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	15	0.7
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	15	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	15	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	15	0.7
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	15	0.7
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	11	0.7
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	11	0.7
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	11	0.7
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	11	0.7
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	11	0.7
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	3	0.7
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	3	0.7
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	3	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	6	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	6	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	6	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	15	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	15	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	15	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	18	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	18	0.7
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	18	0.7
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	5	0.69
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	5	0.69
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	5	0.69
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	4	0.69
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	4	0.69
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	4	0.69
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	8	0.69
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	8	0.69
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	8	0.69
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	13	0.69
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	13	0.69
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	13	0.69
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	17	0.69
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	17	0.69
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	17	0.69
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	11	0.69
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	11	0.69
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	11	0.69
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	4	0.69
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	4	0.69
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	4	0.69
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	6	0.69
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	6	0.69
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	6	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	2	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	2	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	2	0.69
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	2	0.69
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	2	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	5	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	5	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	5	0.69
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	5	0.69
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	5	0.69
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	5	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	10	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	10	0.69
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	10	0.69
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	10	0.69
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	10	0.69
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	10	0.69
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	5	0.69
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	5	0.69
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	5	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	4	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	4	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	4	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	8	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	8	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	8	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	13	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	13	0.69
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	13	0.69
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	20	0.69
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	20	0.69
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	20	0.69
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	20	0.69
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	20	0.69
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	20	0.69
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	14	0.69
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	14	0.69
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	14	0.69
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	14	0.69
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	14	0.69
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	14	0.69
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD11	18	0.69
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD12	18	0.69
(1,2428)	1:93:A:GLY:HA2	1:92:A:LEU:HD13	18	0.69
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD11	18	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD12	18	0.69
(1,2428)	1:93:A:GLY:HA3	1:92:A:LEU:HD13	18	0.69
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	1	0.69
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	1	0.69
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	1	0.69
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	14	0.69
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	14	0.69
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	14	0.69
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	14	0.69
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	14	0.69
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	14	0.69
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	5	0.69
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	5	0.69
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	5	0.69
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	14	0.69
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	14	0.69
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	14	0.69
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	14	0.69
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	14	0.69
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	14	0.69
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	14	0.69
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	14	0.69
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	14	0.69
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	2	0.69
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	2	0.69
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	2	0.69
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	2	0.69
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	2	0.69
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	2	0.69
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	2	0.69
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	2	0.69
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	2	0.69
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	7	0.69
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	7	0.69
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	7	0.69
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	8	0.69
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	8	0.69
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	8	0.69
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	20	0.69
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	20	0.69
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	20	0.69
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	20	0.69
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	20	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	2	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	2	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	2	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	2	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	2	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	2	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	5	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	5	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	5	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	5	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	5	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	5	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	10	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	10	0.69
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	10	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	10	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	10	0.69
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	10	0.69
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	14	0.69
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	14	0.69
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	14	0.69
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	14	0.69
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	14	0.69
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	14	0.69
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	5	0.69
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	5	0.69
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	5	0.69
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	4	0.69
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	4	0.69
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	4	0.69
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	6	0.69
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	6	0.69
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	6	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	7	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	7	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	7	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	8	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	8	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	8	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	9	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	9	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	10	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	10	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	10	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	17	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	17	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	17	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	19	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	19	0.69
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	19	0.69
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	2	0.69
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	2	0.69
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	2	0.69
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	1	0.68
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	1	0.68
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	1	0.68
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	20	0.68
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	20	0.68
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	20	0.68
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	3	0.68
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	3	0.68
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	3	0.68
(1,4149)	1:148:A:LEU:HD11	1:147:A:LEU:H	14	0.68
(1,4149)	1:148:A:LEU:HD12	1:147:A:LEU:H	14	0.68
(1,4149)	1:148:A:LEU:HD13	1:147:A:LEU:H	14	0.68
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	8	0.68
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	8	0.68
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	8	0.68
(1,3705)	1:53:A:LEU:HD21	1:89:A:VAL:H	3	0.68
(1,3705)	1:53:A:LEU:HD22	1:89:A:VAL:H	3	0.68
(1,3705)	1:53:A:LEU:HD23	1:89:A:VAL:H	3	0.68
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	19	0.68
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	19	0.68
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	19	0.68
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	5	0.68
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	5	0.68
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	5	0.68
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	7	0.68
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	7	0.68
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	7	0.68
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	18	0.68
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	18	0.68
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	18	0.68
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	18	0.68
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	18	0.68
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	1	0.68
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	1	0.68
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	1	0.68
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	20	0.68
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	20	0.68
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	20	0.68
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	8	0.68
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	8	0.68
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	8	0.68
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	8	0.68
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	8	0.68
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	8	0.68
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	20	0.68
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	20	0.68
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	20	0.68
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	20	0.68
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	20	0.68
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	20	0.68
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	6	0.68
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	6	0.68
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	6	0.68
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	6	0.68
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	6	0.68
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	6	0.68
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	6	0.68
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	6	0.68
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	6	0.68
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	8	0.68
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	8	0.68
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	8	0.68
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	8	0.68
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	8	0.68
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	8	0.68
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	20	0.68
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	20	0.68
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	20	0.68
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	20	0.68
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	20	0.68
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	9	0.68
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	9	0.68
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	9	0.68
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	9	0.68
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	9	0.68
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	9	0.68
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	15	0.68
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	15	0.68
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	15	0.68
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	15	0.68
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	15	0.68
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	15	0.68
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	13	0.68
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	13	0.68
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	13	0.68
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	9	0.68
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	9	0.68
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	9	0.68
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	15	0.68
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	15	0.68
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	15	0.68
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	15	0.68
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	15	0.68
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	15	0.68
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	17	0.68
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	17	0.68
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	17	0.68
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	18	0.68
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	18	0.68
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	18	0.68
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	18	0.68
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	18	0.68
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	18	0.68
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	8	0.68
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	8	0.68
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	8	0.68
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	8	0.68
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	8	0.68
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	8	0.68
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	20	0.68
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	20	0.68
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	20	0.68
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	20	0.68
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	20	0.68
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	15	0.68
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	15	0.68
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	15	0.68
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	15	0.68
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	15	0.68
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	15	0.68
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	17	0.68
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	17	0.68
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	17	0.68
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	16	0.68
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	16	0.68
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	16	0.68
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	16	0.68
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	16	0.68
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	16	0.68
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	16	0.68
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	16	0.68
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	16	0.68
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	16	0.68
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	16	0.68
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	16	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	5	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	5	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	5	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	7	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	7	0.68
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	7	0.68
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	8	0.68
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	8	0.68
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	8	0.68
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	8	0.68
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	8	0.68
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	8	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	1	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	1	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	1	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	2	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	2	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	3	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	3	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	3	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	4	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	4	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	4	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	5	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	5	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	5	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	11	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	11	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	11	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	12	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	12	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	12	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	13	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	13	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	13	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	20	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	20	0.68
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	20	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	6	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	6	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	6	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	7	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	7	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	7	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	9	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	9	0.68
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	9	0.68
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	12	0.67
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	12	0.67
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	12	0.67
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	14	0.67
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	14	0.67
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	14	0.67
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	3	0.67
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	3	0.67
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	3	0.67
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	5	0.67
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	5	0.67
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	5	0.67
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	5	0.67
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	5	0.67
(1,3718)	1:89:A:VAL:HG11	1:90:A:ILE:H	1	0.67
(1,3718)	1:89:A:VAL:HG12	1:90:A:ILE:H	1	0.67
(1,3718)	1:89:A:VAL:HG13	1:90:A:ILE:H	1	0.67
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	19	0.67
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	19	0.67
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	19	0.67
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	15	0.67
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	15	0.67
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	15	0.67
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	13	0.67
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	13	0.67
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	13	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	3	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	3	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	3	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	3	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	3	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	3	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	4	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	4	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	4	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	4	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	4	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	4	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	6	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	6	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	6	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	6	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	6	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	6	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	13	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	13	0.67
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	13	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	13	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	13	0.67
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	13	0.67
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	12	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	12	0.67
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	12	0.67
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	14	0.67
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	14	0.67
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	14	0.67
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	13	0.67
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	13	0.67
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	13	0.67
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	13	0.67
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	13	0.67
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	13	0.67
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	17	0.67
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	17	0.67
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	17	0.67
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	17	0.67
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	17	0.67
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	17	0.67
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	3	0.67
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	3	0.67
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	3	0.67
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	16	0.67
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	16	0.67
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	16	0.67
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	16	0.67
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	16	0.67
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	16	0.67
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	8	0.67
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	8	0.67
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	8	0.67
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	8	0.67
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	8	0.67
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	8	0.67
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	8	0.67
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	8	0.67
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	8	0.67
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	20	0.67
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	20	0.67
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	20	0.67
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	20	0.67
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	20	0.67
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	20	0.67
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	20	0.67
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	20	0.67
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	13	0.67
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	13	0.67
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	13	0.67
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	13	0.67
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	13	0.67
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	13	0.67
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	17	0.67
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	17	0.67
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	17	0.67
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	17	0.67
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	17	0.67
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	17	0.67
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB2	7	0.67
(1,2210)	1:92:A:LEU:HD11	1:133:A:PRO:HB3	7	0.67
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB2	7	0.67
(1,2210)	1:92:A:LEU:HD12	1:133:A:PRO:HB3	7	0.67
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB2	7	0.67
(1,2210)	1:92:A:LEU:HD13	1:133:A:PRO:HB3	7	0.67
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	16	0.67
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	16	0.67
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	16	0.67
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	15	0.67
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	15	0.67
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	15	0.67
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	15	0.67
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	15	0.67
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	15	0.67
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	16	0.67
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	16	0.67
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	16	0.67
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	16	0.67
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	16	0.67
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	16	0.67
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	7	0.67
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	7	0.67
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	7	0.67
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	7	0.67
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	7	0.67
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	7	0.67
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	15	0.67
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	15	0.67
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	15	0.67
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	15	0.67
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	15	0.67
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	15	0.67
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	15	0.67
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	15	0.67
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	16	0.67
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	16	0.67
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	16	0.67
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	16	0.67
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	16	0.67
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	16	0.67
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	1	0.67
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	1	0.67
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	1	0.67
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	1	0.67
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	1	0.67
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	1	0.67
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	1	0.67
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	1	0.67
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	1	0.67
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	15	0.67
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	15	0.67
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	15	0.67
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	15	0.67
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	15	0.67
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	15	0.67
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	16	0.67
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	16	0.67
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	16	0.67
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	16	0.67
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	16	0.67
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	16	0.67
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD11	11	0.67
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD12	11	0.67
(1,1272)	1:141:A:VAL:HG21	1:53:A:LEU:HD13	11	0.67
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD11	11	0.67
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD12	11	0.67
(1,1272)	1:141:A:VAL:HG22	1:53:A:LEU:HD13	11	0.67
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD11	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD12	11	0.67
(1,1272)	1:141:A:VAL:HG23	1:53:A:LEU:HD13	11	0.67
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	16	0.67
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	16	0.67
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	16	0.67
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	2	0.67
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	2	0.67
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	2	0.67
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	2	0.67
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	2	0.67
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	2	0.67
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	13	0.67
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	13	0.67
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	13	0.67
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	13	0.67
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	13	0.67
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	13	0.67
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	16	0.67
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	16	0.67
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	16	0.67
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	16	0.67
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	16	0.67
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	16	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	3	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	3	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	3	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	3	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	3	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	3	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	4	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	4	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	4	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	4	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	4	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	4	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	6	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	6	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	6	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	6	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	6	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	6	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	13	0.67
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	13	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	13	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	13	0.67
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	13	0.67
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	13	0.67
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	13	0.67
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	13	0.67
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	13	0.67
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	13	0.67
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	13	0.67
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	17	0.67
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	17	0.67
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	17	0.67
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	17	0.67
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	17	0.67
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	17	0.67
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	7	0.67
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	7	0.67
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	7	0.67
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	7	0.67
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	7	0.67
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	7	0.67
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	15	0.67
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	15	0.67
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	15	0.67
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	13	0.67
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	13	0.67
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	13	0.67
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG11	1	0.67
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG12	1	0.67
(1,616)	1:90:A:ILE:H	1:89:A:VAL:HG13	1	0.67
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD11	14	0.67
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD12	14	0.67
(1,543)	1:110:A:LEU:H	1:110:A:LEU:HD13	14	0.67
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	1	0.67
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	1	0.67
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	1	0.67
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD11	7	0.67
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD12	7	0.67
(1,517)	1:134:A:GLU:H	1:17:A:LEU:HD13	7	0.67
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	7	0.66
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	7	0.66
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	10	0.66
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	10	0.66
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	10	0.66
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	17	0.66
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	17	0.66
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	17	0.66
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	14	0.66
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	14	0.66
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	14	0.66
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	8	0.66
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	8	0.66
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	8	0.66
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	11	0.66
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	11	0.66
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	11	0.66
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	12	0.66
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	12	0.66
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	12	0.66
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	19	0.66
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	19	0.66
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	19	0.66
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	19	0.66
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	19	0.66
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	19	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	7	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	7	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	7	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	10	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	10	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	10	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	17	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	17	0.66
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	17	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	1	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	1	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	1	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	1	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	1	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	1	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	3	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	3	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	3	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	3	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	3	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	4	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	4	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	4	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	4	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	4	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	4	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	6	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	6	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	6	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	6	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	6	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	6	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	9	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	9	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	9	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	9	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	9	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	9	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	12	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	12	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	12	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	12	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	12	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	12	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	19	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	19	0.66
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	19	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	19	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	19	0.66
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	19	0.66
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	9	0.66
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	9	0.66
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	9	0.66
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	9	0.66
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	9	0.66
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	9	0.66
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	4	0.66
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	4	0.66
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	4	0.66
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	4	0.66
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	4	0.66
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	12	0.66
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	12	0.66
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	12	0.66
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	12	0.66
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	12	0.66
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	12	0.66
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	10	0.66
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	10	0.66
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	10	0.66
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	10	0.66
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	10	0.66
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	10	0.66
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	10	0.66
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	10	0.66
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	10	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	1	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	1	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	1	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	1	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	1	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	1	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	3	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	3	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	3	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	3	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	3	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	3	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	4	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	4	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	4	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	4	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	4	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	4	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	6	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	6	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	6	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	6	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	6	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	9	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	9	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	9	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	9	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	9	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	9	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	12	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	12	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	12	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	12	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	12	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	12	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	19	0.66
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	19	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	19	0.66
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	19	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	19	0.66
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	19	0.66
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	1	0.66
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	1	0.66
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	1	0.66
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	1	0.66
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	1	0.66
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	1	0.66
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	17	0.66
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	17	0.66
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	17	0.66
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	17	0.66
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	17	0.66
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	17	0.66
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	5	0.66
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	5	0.66
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	5	0.66
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	17	0.66
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	17	0.66
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	17	0.66
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	5	0.66
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	5	0.66
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	5	0.66
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	15	0.66
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	15	0.66
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	3	0.66
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	3	0.66
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	3	0.66
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	3	0.66
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	3	0.66
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	3	0.66
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	3	0.66
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	3	0.66
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	3	0.66
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	9	0.66
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	9	0.66
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	9	0.66
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	9	0.66
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	9	0.66
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	9	0.66
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	9	0.66
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	9	0.66
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	9	0.66
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	9	0.66
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	9	0.66
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	9	0.66
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	9	0.66
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	9	0.66
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	9	0.66
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	9	0.66
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	9	0.66
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	9	0.66
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	16	0.66
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	16	0.66
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	16	0.66
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	16	0.66
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	16	0.66
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	16	0.66
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	16	0.66
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	16	0.66
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	16	0.66
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	16	0.66
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	16	0.66
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	16	0.66
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	16	0.66
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	16	0.66
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	16	0.66
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	16	0.66
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	16	0.66
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	11	0.66
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	11	0.66
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	11	0.66
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	14	0.66
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	14	0.66
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	14	0.66
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	17	0.66
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	17	0.66
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	17	0.66
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	17	0.66
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	17	0.66
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	17	0.66
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	9	0.66
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	9	0.66
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	9	0.66
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	9	0.66
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	9	0.66
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	9	0.66
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	19	0.66
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	19	0.66
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	19	0.66
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	19	0.66
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	19	0.66
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	19	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	1	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	1	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	1	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	1	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	1	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	1	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	3	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	3	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	3	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	3	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	3	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	3	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	4	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	4	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	4	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	4	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	4	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	6	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	6	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	6	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	6	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	6	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	6	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	9	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	9	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	9	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	9	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	9	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	9	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	12	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	12	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	12	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	12	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	12	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	12	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	19	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	19	0.66
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	19	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	19	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	19	0.66
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	19	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	8	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	8	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	8	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	11	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	11	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	11	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	12	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	12	0.66
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	12	0.66
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	13	0.66
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	13	0.66
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	13	0.66
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	11	0.65
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	11	0.65
(1,4166)	1:147:A:LEU:HD11	1:148:A:LEU:H	16	0.65
(1,4166)	1:147:A:LEU:HD12	1:148:A:LEU:H	16	0.65
(1,4166)	1:147:A:LEU:HD13	1:148:A:LEU:H	16	0.65
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	11	0.65
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	11	0.65
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	11	0.65
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	2	0.65
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	2	0.65
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	2	0.65
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	11	0.65
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	11	0.65
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	11	0.65
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	17	0.65
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	17	0.65
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	17	0.65
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	20	0.65
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	20	0.65
(1,3157)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	20	0.65
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	20	0.65
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	20	0.65
(1,3157)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	20	0.65
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	11	0.65
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	11	0.65
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	11	0.65
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD11	16	0.65
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD12	16	0.65
(1,3081)	1:148:A:LEU:H	1:147:A:LEU:HD13	16	0.65
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	19	0.65
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	19	0.65
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	19	0.65
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	19	0.65
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	19	0.65
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	19	0.65
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	10	0.65
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	10	0.65
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	10	0.65
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	10	0.65
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	10	0.65
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	10	0.65
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	9	0.65
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	9	0.65
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	9	0.65
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	9	0.65
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	9	0.65
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	9	0.65
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	9	0.65
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	9	0.65
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	5	0.65
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	5	0.65
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	5	0.65
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	5	0.65
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	5	0.65
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	5	0.65
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	10	0.65
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	10	0.65
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	10	0.65
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	10	0.65
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	10	0.65
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	10	0.65
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	20	0.65
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	20	0.65
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	20	0.65
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	20	0.65
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	20	0.65
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	20	0.65
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB2	17	0.65
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB3	17	0.65
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB2	17	0.65
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB3	17	0.65
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB2	17	0.65
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB3	17	0.65
(1,2072)	1:26:A:LEU:HD11	1:141:A:VAL:HA	2	0.65
(1,2072)	1:26:A:LEU:HD12	1:141:A:VAL:HA	2	0.65
(1,2072)	1:26:A:LEU:HD13	1:141:A:VAL:HA	2	0.65
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	5	0.65
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	5	0.65
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	5	0.65
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	5	0.65
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	5	0.65
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	5	0.65
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	5	0.65
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	5	0.65
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	19	0.65
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	19	0.65
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	19	0.65
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	19	0.65
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	19	0.65
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	19	0.65
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	19	0.65
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	19	0.65
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	19	0.65
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	18	0.65
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	18	0.65
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	18	0.65
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	18	0.65
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	18	0.65
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	18	0.65
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	18	0.65
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	18	0.65
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	18	0.65
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	18	0.65
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	18	0.65
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	18	0.65
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	18	0.65
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	18	0.65
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	18	0.65
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	18	0.65
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	18	0.65
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	18	0.65
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG21	20	0.65
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG22	20	0.65
(1,1001)	1:120:A:GLY:HA2	1:119:A:VAL:HG23	20	0.65
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG21	20	0.65
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG22	20	0.65
(1,1001)	1:120:A:GLY:HA3	1:119:A:VAL:HG23	20	0.65
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	18	0.65
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	18	0.65
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	18	0.65
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	17	0.65
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	17	0.65
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	17	0.65
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	7	0.65
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	7	0.65
(1,4279)	1:119:A:VAL:HG21	1:144:A:TRP:HE1	19	0.64
(1,4279)	1:119:A:VAL:HG22	1:144:A:TRP:HE1	19	0.64
(1,4279)	1:119:A:VAL:HG23	1:144:A:TRP:HE1	19	0.64
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	16	0.64
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	16	0.64
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	16	0.64
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	3	0.64
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	3	0.64
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	3	0.64
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	3	0.64
(1,2865)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	3	0.64
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	3	0.64
(1,2865)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	3	0.64
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	3	0.64
(1,2865)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	3	0.64
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	8	0.64
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	8	0.64
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	8	0.64
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	8	0.64
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	8	0.64
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	8	0.64
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	18	0.64
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	18	0.64
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	18	0.64
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	18	0.64
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	18	0.64
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	18	0.64
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	2	0.64
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	2	0.64
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	2	0.64
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	2	0.64
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	2	0.64
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	2	0.64
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	2	0.64
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	2	0.64
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	2	0.64
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	18	0.64
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	18	0.64
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	18	0.64
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	18	0.64
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	18	0.64
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	18	0.64
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	18	0.64
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	18	0.64
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA2	3	0.64
(1,1592)	1:53:A:LEU:HD21	1:88:A:GLY:HA3	3	0.64
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA2	3	0.64
(1,1592)	1:53:A:LEU:HD22	1:88:A:GLY:HA3	3	0.64
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA2	3	0.64
(1,1592)	1:53:A:LEU:HD23	1:88:A:GLY:HA3	3	0.64
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	5	0.64
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	5	0.64
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	5	0.64
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	5	0.64
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	5	0.64
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	5	0.64
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	14	0.64
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	14	0.64
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	14	0.64
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	18	0.64
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	18	0.64
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	18	0.64
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	18	0.64
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	18	0.64
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	18	0.64
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	18	0.64
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	18	0.64
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	18	0.64
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	18	0.64
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	18	0.64
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	18	0.64
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	10	0.64
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	10	0.64
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	10	0.64
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	10	0.64
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	10	0.64
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	10	0.64
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	10	0.64
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	10	0.64
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	10	0.64
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	10	0.64
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	10	0.64
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	10	0.64
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	10	0.64
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	10	0.64
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	10	0.64
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	10	0.64
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	10	0.64
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	3	0.64
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	3	0.64
(1,1006)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	3	0.64
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	3	0.64
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	3	0.64
(1,1006)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	3	0.64
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD21	3	0.64
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD22	3	0.64
(1,1004)	1:88:A:GLY:HA2	1:53:A:LEU:HD23	3	0.64
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD21	3	0.64
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD22	3	0.64
(1,1004)	1:88:A:GLY:HA3	1:53:A:LEU:HD23	3	0.64
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	5	0.64
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	5	0.64
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	5	0.64
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	5	0.64
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	5	0.64
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	5	0.64
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	14	0.64
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	14	0.64
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	14	0.64
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	3	0.64
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	3	0.64
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	3	0.64
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG21	19	0.64
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG22	19	0.64
(1,602)	1:144:A:TRP:HE1	1:119:A:VAL:HG23	19	0.64
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	19	0.64
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	19	0.64
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	19	0.64
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	2	0.63
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	2	0.63
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	2	0.63
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	5	0.63
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	5	0.63
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	10	0.63
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	10	0.63
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	10	0.63
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	16	0.63
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	16	0.63
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	16	0.63
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	9	0.63
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	9	0.63
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	9	0.63
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	9	0.63
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	9	0.63
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	9	0.63
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	8	0.63
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	8	0.63
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	8	0.63
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	8	0.63
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	8	0.63
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	8	0.63
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	6	0.63
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	6	0.63
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	6	0.63
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	6	0.63
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	6	0.63
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	6	0.63
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	1	0.63
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	1	0.63
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	1	0.63
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	1	0.63
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	1	0.63
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	1	0.63
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	1	0.63
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	1	0.63
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	1	0.63
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	3	0.63
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	3	0.63
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	3	0.63
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	3	0.63
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	3	0.63
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	3	0.63
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	12	0.63
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	12	0.63
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	12	0.63
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	12	0.63
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	12	0.63
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	19	0.63
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	19	0.63
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	19	0.63
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	19	0.63
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	19	0.63
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	19	0.63
(1,1953)	1:89:A:VAL:HG11	1:54:A:VAL:HB	18	0.63
(1,1953)	1:89:A:VAL:HG12	1:54:A:VAL:HB	18	0.63
(1,1953)	1:89:A:VAL:HG13	1:54:A:VAL:HB	18	0.63
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	14	0.63
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	14	0.63
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	14	0.63
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	14	0.63
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	14	0.63
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	14	0.63
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	1	0.63
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	1	0.63
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	1	0.63
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	13	0.63
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	13	0.63
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	13	0.63
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	14	0.63
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	14	0.63
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	14	0.63
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	14	0.63
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	14	0.63
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	14	0.63
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	14	0.63
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	14	0.63
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	14	0.63
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	14	0.63
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	14	0.63
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	14	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	6	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	6	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	6	0.63
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	6	0.63
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	6	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	6	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	6	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	6	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	14	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	14	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	14	0.63
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	14	0.63
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	14	0.63
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	14	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	14	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	14	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	14	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	16	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	16	0.63
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	16	0.63
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	16	0.63
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	16	0.63
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	16	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	16	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	16	0.63
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	16	0.63
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG11	18	0.63
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG12	18	0.63
(1,1207)	1:54:A:VAL:HB	1:89:A:VAL:HG13	18	0.63
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	20	0.63
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	20	0.63
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	20	0.63
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	5	0.63
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	5	0.63
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	5	0.63
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	5	0.63
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	5	0.63
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	5	0.63
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	20	0.63
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	20	0.63
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	20	0.63
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	20	0.63
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	20	0.63
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	20	0.63
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	1	0.63
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	1	0.63
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	13	0.63
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	13	0.63
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	13	0.63
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	10	0.63
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	10	0.63
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	10	0.63
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	16	0.63
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	16	0.63
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	16	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	8	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	8	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	8	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	11	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	11	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	11	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	12	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	12	0.63
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	12	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	5	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	5	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	5	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	10	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	10	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	10	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	16	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	16	0.63
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	16	0.63
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	10	0.63
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	10	0.63
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	10	0.63
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	18	0.62
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	18	0.62
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	18	0.62
(1,3694)	1:119:A:VAL:HG11	1:88:A:GLY:H	1	0.62
(1,3694)	1:119:A:VAL:HG12	1:88:A:GLY:H	1	0.62
(1,3694)	1:119:A:VAL:HG13	1:88:A:GLY:H	1	0.62
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	20	0.62
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	20	0.62
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	20	0.62
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	18	0.62
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	18	0.62
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	18	0.62
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	18	0.62
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	18	0.62
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	19	0.62
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	19	0.62
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	19	0.62
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	3	0.62
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	3	0.62
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	3	0.62
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG2	7	0.62
(1,2642)	1:124:A:LEU:HD11	1:122:A:MET:HG3	7	0.62
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG2	7	0.62
(1,2642)	1:124:A:LEU:HD12	1:122:A:MET:HG3	7	0.62
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG2	7	0.62
(1,2642)	1:124:A:LEU:HD13	1:122:A:MET:HG3	7	0.62
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	2	0.62
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	2	0.62
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	2	0.62
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	2	0.62
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	2	0.62
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	2	0.62
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	13	0.62
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	13	0.62
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	13	0.62
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	13	0.62
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	13	0.62
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	13	0.62
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	1	0.62
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	1	0.62
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	1	0.62
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	12	0.62
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	12	0.62
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	12	0.62
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	16	0.62
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	16	0.62
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	16	0.62
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	9	0.62
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	9	0.62
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	9	0.62
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	9	0.62
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	9	0.62
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	9	0.62
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	9	0.62
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	9	0.62
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	15	0.62
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	15	0.62
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	15	0.62
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	15	0.62
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	15	0.62
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	15	0.62
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	15	0.62
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	15	0.62
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	15	0.62
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	20	0.62
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	20	0.62
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	20	0.62
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	20	0.62
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	20	0.62
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	20	0.62
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	20	0.62
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	20	0.62
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	20	0.62
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	10	0.62
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	10	0.62
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	10	0.62
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	3	0.62
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	3	0.62
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	3	0.62
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	3	0.62
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	3	0.62
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	3	0.62
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	8	0.62
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	8	0.62
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	8	0.62
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	8	0.62
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	8	0.62
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	8	0.62
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	14	0.62
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	14	0.62
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	14	0.62
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	14	0.62
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	14	0.62
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	12	0.62
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	12	0.62
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	12	0.62
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	16	0.62
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	16	0.62
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	16	0.62
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	20	0.62
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	20	0.62
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	20	0.62
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	1	0.62
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	1	0.62
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	1	0.62
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	17	0.62
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	17	0.62
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	17	0.62
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	4	0.62
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	4	0.62
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	4	0.62
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD11	11	0.62
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD12	11	0.62
(1,522)	1:18:A:VAL:H	1:17:A:LEU:HD13	11	0.62
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	1	0.62
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	1	0.62
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	1	0.62
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	20	0.61
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	20	0.61
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	20	0.61
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	9	0.61
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	9	0.61
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	9	0.61
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	20	0.61
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	20	0.61
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	20	0.61
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	20	0.61
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	20	0.61
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	20	0.61
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	20	0.61
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	20	0.61
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	20	0.61
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	20	0.61
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	20	0.61
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	20	0.61
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	20	0.61
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	20	0.61
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	20	0.61
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	20	0.61
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	20	0.61
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	5	0.61
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	5	0.61
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	5	0.61
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	5	0.61
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	5	0.61
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	5	0.61
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	18	0.61
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	18	0.61
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	18	0.61
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	18	0.61
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	18	0.61
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	18	0.61
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	12	0.61
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	12	0.61
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	12	0.61
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	16	0.61
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	16	0.61
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	16	0.61
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	16	0.61
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	16	0.61
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	16	0.61
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	3	0.61
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	3	0.61
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	3	0.61
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	5	0.61
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	5	0.61
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	5	0.61
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	8	0.61
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	8	0.61
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	8	0.61
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	8	0.61
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	8	0.61
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	8	0.61
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	3	0.61
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	3	0.61
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	3	0.61
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	3	0.61
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	3	0.61
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	3	0.61
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	3	0.61
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	3	0.61
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	7	0.61
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	7	0.61
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	7	0.61
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	7	0.61
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	7	0.61
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	7	0.61
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	6	0.61
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	6	0.61
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	6	0.61
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	7	0.61
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	7	0.61
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	7	0.61
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	7	0.61
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	7	0.61
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	7	0.61
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	17	0.61
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	17	0.61
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	17	0.61
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	17	0.61
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	17	0.61
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	17	0.61
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	17	0.61
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	17	0.61
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	17	0.61
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	7	0.61
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	7	0.61
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	7	0.61
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	7	0.61
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	7	0.61
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	7	0.61
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	4	0.61
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	4	0.61
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	4	0.61
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	4	0.61
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	4	0.61
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	4	0.61
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	4	0.61
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	4	0.61
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	8	0.61
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	8	0.61
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	8	0.61
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	8	0.61
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	8	0.61
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	8	0.61
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	8	0.61
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	8	0.61
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	8	0.61
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	8	0.61
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	8	0.61
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	8	0.61
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	8	0.61
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	8	0.61
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	8	0.61
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	8	0.61
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	8	0.61
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	8	0.61
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	20	0.61
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	20	0.61
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	20	0.61
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	20	0.61
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	20	0.61
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	20	0.61
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	20	0.61
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	20	0.61
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	20	0.61
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	20	0.61
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	20	0.61
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	20	0.61
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	20	0.61
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	20	0.61
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	20	0.61
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	20	0.61
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	20	0.61
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	20	0.61
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	1	0.61
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	1	0.61
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	1	0.61
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	1	0.61
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	1	0.61
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	9	0.61
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	9	0.61
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	9	0.61
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	19	0.61
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	19	0.61
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	19	0.61
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	19	0.61
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	19	0.61
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	19	0.61
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	10	0.61
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	10	0.61
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	10	0.61
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	10	0.61
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	10	0.61
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	10	0.61
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	10	0.61
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	10	0.61
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	10	0.61
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	10	0.61
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	10	0.61
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	10	0.61
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	5	0.61
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	5	0.61
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	5	0.61
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	10	0.61
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	10	0.61
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	10	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	5	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	5	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	5	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	12	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	12	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	12	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	14	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	14	0.61
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	14	0.61
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	10	0.6
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	10	0.6
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	10	0.6
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	10	0.6
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	10	0.6
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	13	0.6
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	13	0.6
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	13	0.6
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	14	0.6
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	14	0.6
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	14	0.6
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	3	0.6
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	3	0.6
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	3	0.6
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	10	0.6
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	10	0.6
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	10	0.6
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	11	0.6
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	11	0.6
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	11	0.6
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	14	0.6
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	14	0.6
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	14	0.6
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	14	0.6
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	14	0.6
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	14	0.6
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	19	0.6
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	19	0.6
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	19	0.6
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD21	4	0.6
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD22	4	0.6
(1,1992)	1:141:A:VAL:HG21	1:26:A:LEU:HD23	4	0.6
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD21	4	0.6
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD22	4	0.6
(1,1992)	1:141:A:VAL:HG22	1:26:A:LEU:HD23	4	0.6
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD21	4	0.6
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD22	4	0.6
(1,1992)	1:141:A:VAL:HG23	1:26:A:LEU:HD23	4	0.6
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	20	0.6
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	20	0.6
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	20	0.6
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	20	0.6
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	20	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	8	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	8	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	8	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	8	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	8	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	8	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	8	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	8	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	8	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	11	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	11	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	11	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	11	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	11	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	11	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	11	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	11	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	11	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	13	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	13	0.6
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	13	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	13	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	13	0.6
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	13	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	13	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	13	0.6
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	13	0.6
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	15	0.6
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	15	0.6
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	15	0.6
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	15	0.6
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	15	0.6
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	15	0.6
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	15	0.6
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	15	0.6
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	15	0.6
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	15	0.6
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	15	0.6
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	15	0.6
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	15	0.6
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	15	0.6
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	15	0.6
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	15	0.6
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	15	0.6
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	18	0.6
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	18	0.6
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	18	0.6
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG21	11	0.6
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG22	11	0.6
(1,994)	1:37:A:GLU:HA	1:8:A:VAL:HG23	11	0.6
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	3	0.6
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	3	0.6
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	3	0.6
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	3	0.6
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	3	0.6
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	3	0.6
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	11	0.6
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	11	0.6
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	11	0.6
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	11	0.6
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	11	0.6
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	11	0.6
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	20	0.6
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	20	0.6
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	20	0.6
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	20	0.6
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	20	0.6
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	20	0.6
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	9	0.6
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	9	0.6
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	9	0.6
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	14	0.6
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	14	0.6
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	14	0.6
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	9	0.6
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	9	0.6
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	9	0.6
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	9	0.6
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	9	0.6
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	9	0.6
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	14	0.6
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	14	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	6	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	6	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	6	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	11	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	11	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	11	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	15	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	15	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	15	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	20	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	20	0.6
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	20	0.6
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	6	0.59
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	6	0.59
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	6	0.59
(1,3952)	1:123:A:LEU:HD21	1:125:A:ILE:H	10	0.59
(1,3952)	1:123:A:LEU:HD22	1:125:A:ILE:H	10	0.59
(1,3952)	1:123:A:LEU:HD23	1:125:A:ILE:H	10	0.59
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	3	0.59
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	3	0.59
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	3	0.59
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	6	0.59
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	6	0.59
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	6	0.59
(1,3498)	1:52:A:VAL:HG21	1:53:A:LEU:H	18	0.59
(1,3498)	1:52:A:VAL:HG22	1:53:A:LEU:H	18	0.59
(1,3498)	1:52:A:VAL:HG23	1:53:A:LEU:H	18	0.59
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	12	0.59
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	12	0.59
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	12	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	12	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	12	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	12	0.59
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	13	0.59
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	13	0.59
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	13	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	13	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	13	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	13	0.59
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	19	0.59
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	19	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	19	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	19	0.59
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	19	0.59
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	13	0.59
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	13	0.59
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	13	0.59
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	4	0.59
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	4	0.59
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	4	0.59
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG2	20	0.59
(1,2833)	1:85:A:LEU:HD11	1:82:A:GLN:HG3	20	0.59
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG2	20	0.59
(1,2833)	1:85:A:LEU:HD12	1:82:A:GLN:HG3	20	0.59
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG2	20	0.59
(1,2833)	1:85:A:LEU:HD13	1:82:A:GLN:HG3	20	0.59
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	10	0.59
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	10	0.59
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	10	0.59
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	10	0.59
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	10	0.59
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	10	0.59
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	1	0.59
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	1	0.59
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	1	0.59
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	11	0.59
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	11	0.59
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	11	0.59
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	11	0.59
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	11	0.59
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	11	0.59
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	11	0.59
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	11	0.59
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	11	0.59
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	14	0.59
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	14	0.59
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	14	0.59
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	14	0.59
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	14	0.59
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	14	0.59
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	14	0.59
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	14	0.59
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	14	0.59
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	14	0.59
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	14	0.59
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	14	0.59
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	14	0.59
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	14	0.59
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	14	0.59
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	14	0.59
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	14	0.59
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	7	0.59
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	7	0.59
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	7	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	7	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	7	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	7	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	7	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	7	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	7	0.59
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	11	0.59
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	11	0.59
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	11	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	11	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	11	0.59
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	11	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	11	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	11	0.59
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	11	0.59
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	2	0.59
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	2	0.59
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	2	0.59
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	2	0.59
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	2	0.59
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	2	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	2	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	2	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	2	0.59
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	19	0.59
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	19	0.59
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	19	0.59
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	19	0.59
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	19	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	19	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	19	0.59
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	19	0.59
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	10	0.59
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	10	0.59
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	10	0.59
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	10	0.59
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	10	0.59
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	10	0.59
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	4	0.59
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	4	0.59
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	4	0.59
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	4	0.59
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	4	0.59
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	4	0.59
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD21	3	0.59
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD22	3	0.59
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD23	3	0.59
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD21	3	0.59
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD22	3	0.59
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD23	3	0.59
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	13	0.59
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	13	0.59
(1,647)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	13	0.59
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	13	0.59
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	13	0.59
(1,647)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	13	0.59
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG11	13	0.59
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG12	13	0.59
(1,644)	1:99:A:ASN:HD21	1:98:A:VAL:HG13	13	0.59
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG11	13	0.59
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG12	13	0.59
(1,644)	1:99:A:ASN:HD22	1:98:A:VAL:HG13	13	0.59
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG21	18	0.59
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG22	18	0.59
(1,637)	1:53:A:LEU:H	1:52:A:VAL:HG23	18	0.59
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	3	0.59
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	3	0.59
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	3	0.59
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	6	0.59
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	6	0.59
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	19	0.59
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	19	0.59
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	19	0.59
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	4	0.59
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	4	0.59
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	4	0.59
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	3	0.59
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	3	0.59
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	3	0.59
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	6	0.59
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	6	0.59
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	6	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	2	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	2	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	2	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	3	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	3	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	3	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	4	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	4	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	4	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	8	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	8	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	8	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	13	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	13	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	13	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	17	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	17	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	17	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	18	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	18	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	18	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	19	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	19	0.59
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	19	0.59
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	4	0.59
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	4	0.59
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	4	0.59
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	10	0.58
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	10	0.58
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	17	0.58
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	17	0.58
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	17	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	1	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	1	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	1	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	1	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	1	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	1	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	4	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	4	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	4	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	4	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	4	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	4	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	8	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	8	0.58
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	8	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	8	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	8	0.58
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	8	0.58
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	4	0.58
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	4	0.58
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	4	0.58
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	4	0.58
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	4	0.58
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	4	0.58
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	7	0.58
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	7	0.58
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	7	0.58
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	9	0.58
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	9	0.58
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	9	0.58
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	6	0.58
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	6	0.58
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	6	0.58
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	15	0.58
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	15	0.58
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	15	0.58
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	19	0.58
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	19	0.58
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	7	0.58
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	7	0.58
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	7	0.58
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	7	0.58
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	7	0.58
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	7	0.58
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	7	0.58
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	7	0.58
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	7	0.58
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	8	0.58
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	8	0.58
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	8	0.58
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	8	0.58
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	8	0.58
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	8	0.58
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	8	0.58
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	8	0.58
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	8	0.58
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	20	0.58
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	20	0.58
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	20	0.58
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	20	0.58
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	20	0.58
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	20	0.58
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	11	0.58
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	11	0.58
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	11	0.58
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	11	0.58
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	11	0.58
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	11	0.58
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	18	0.58
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	18	0.58
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	18	0.58
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	18	0.58
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	18	0.58
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	18	0.58
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	18	0.58
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	18	0.58
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	18	0.58
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	11	0.58
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	11	0.58
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	11	0.58
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	11	0.58
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	11	0.58
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	20	0.58
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	20	0.58
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	20	0.58
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	20	0.58
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	20	0.58
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	20	0.58
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	20	0.58
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	20	0.58
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	20	0.58
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	11	0.58
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	11	0.58
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	11	0.58
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	11	0.58
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	11	0.58
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	11	0.58
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	17	0.58
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	17	0.58
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	17	0.58
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	17	0.58
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	17	0.58
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	17	0.58
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	17	0.58
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	17	0.58
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	17	0.58
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG11	15	0.58
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG12	15	0.58
(1,1178)	1:6:A:ILE:HB	1:35:A:VAL:HG13	15	0.58
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	5	0.58
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	5	0.58
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	5	0.58
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	5	0.58
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	5	0.58
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	5	0.58
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	20	0.58
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	20	0.58
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	20	0.58
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	6	0.58
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	6	0.58
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	15	0.58
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	15	0.58
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	15	0.58
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	19	0.58
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	19	0.58
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	19	0.58
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	7	0.58
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	7	0.58
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	7	0.58
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	10	0.58
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	10	0.58
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	10	0.58
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	16	0.58
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	16	0.58
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	16	0.58
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	8	0.58
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	8	0.58
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	8	0.58
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	16	0.57
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	16	0.57
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	16	0.57
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	1	0.57
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	1	0.57
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	1	0.57
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	4	0.57
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	4	0.57
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	4	0.57
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	6	0.57
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	6	0.57
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	6	0.57
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	8	0.57
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	8	0.57
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	8	0.57
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	10	0.57
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	10	0.57
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	10	0.57
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	2	0.57
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	2	0.57
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	2	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	3	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	3	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	3	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	3	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	3	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	6	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	6	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	6	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	6	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	6	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	6	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	17	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	17	0.57
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	17	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	17	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	17	0.57
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	17	0.57
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	17	0.57
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	17	0.57
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	17	0.57
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	2	0.57
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	2	0.57
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	2	0.57
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	10	0.57
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	10	0.57
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	10	0.57
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	8	0.57
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	8	0.57
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	8	0.57
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	6	0.57
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	6	0.57
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	6	0.57
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	6	0.57
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	6	0.57
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	6	0.57
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	10	0.57
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	10	0.57
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	10	0.57
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	10	0.57
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	10	0.57
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	10	0.57
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	14	0.57
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	14	0.57
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	14	0.57
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	14	0.57
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	14	0.57
(1,1956)	1:148:A:LEU:HD11	1:119:A:VAL:HB	19	0.57
(1,1956)	1:148:A:LEU:HD12	1:119:A:VAL:HB	19	0.57
(1,1956)	1:148:A:LEU:HD13	1:119:A:VAL:HB	19	0.57
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	2	0.57
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	2	0.57
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	2	0.57
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	2	0.57
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	2	0.57
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	2	0.57
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	2	0.57
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	2	0.57
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	2	0.57
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	2	0.57
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	2	0.57
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	2	0.57
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	10	0.57
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	10	0.57
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	10	0.57
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	10	0.57
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	10	0.57
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	10	0.57
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	10	0.57
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	10	0.57
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	10	0.57
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	2	0.57
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	2	0.57
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	2	0.57
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	2	0.57
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	2	0.57
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	2	0.57
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	5	0.57
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	5	0.57
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	5	0.57
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	5	0.57
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	5	0.57
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	5	0.57
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	5	0.57
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	5	0.57
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	17	0.57
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	17	0.57
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	17	0.57
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	17	0.57
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	17	0.57
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	17	0.57
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	17	0.57
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	17	0.57
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	17	0.57
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	17	0.57
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	17	0.57
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	17	0.57
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	17	0.57
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	17	0.57
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	17	0.57
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	17	0.57
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	17	0.57
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	17	0.57
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	2	0.57
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	2	0.57
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	2	0.57
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	2	0.57
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	2	0.57
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	2	0.57
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD21	9	0.57
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD22	9	0.57
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD23	9	0.57
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD21	9	0.57
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD22	9	0.57
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD23	9	0.57
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	4	0.57
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	4	0.57
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	4	0.57
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	17	0.57
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	17	0.57
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	17	0.57
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	17	0.57
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	17	0.57
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	17	0.57
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	2	0.57
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	2	0.57
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	10	0.57
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	10	0.57
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	10	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	1	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	1	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	1	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	17	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	17	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	17	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	19	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	19	0.57
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	19	0.57
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	16	0.57
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	16	0.57
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	16	0.57
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	7	0.57
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	7	0.57
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	7	0.57
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	17	0.57
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	17	0.57
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	17	0.57
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	2	0.56
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	2	0.56
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	2	0.56
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	14	0.56
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	14	0.56
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	14	0.56
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	18	0.56
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	18	0.56
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	18	0.56
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	4	0.56
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	4	0.56
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	4	0.56
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	12	0.56
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	12	0.56
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	12	0.56
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	13	0.56
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	13	0.56
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	13	0.56
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	19	0.56
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	19	0.56
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	18	0.56
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	18	0.56
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	18	0.56
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	2	0.56
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	2	0.56
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	2	0.56
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	2	0.56
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	2	0.56
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	2	0.56
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	10	0.56
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	10	0.56
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	10	0.56
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB2	20	0.56
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB3	20	0.56
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB2	20	0.56
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB3	20	0.56
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB2	20	0.56
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB3	20	0.56
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	1	0.56
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	1	0.56
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	1	0.56
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	2	0.56
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	2	0.56
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	2	0.56
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	2	0.56
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	2	0.56
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	2	0.56
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	4	0.56
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	4	0.56
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	4	0.56
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	4	0.56
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	4	0.56
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	4	0.56
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	9	0.56
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	9	0.56
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	9	0.56
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	9	0.56
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	9	0.56
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	9	0.56
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	13	0.56
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	13	0.56
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	13	0.56
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	13	0.56
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	13	0.56
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	4	0.56
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	4	0.56
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	4	0.56
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	4	0.56
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	4	0.56
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	4	0.56
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	6	0.56
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	6	0.56
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	6	0.56
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	6	0.56
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	6	0.56
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	6	0.56
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	4	0.56
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	4	0.56
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	4	0.56
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	4	0.56
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	4	0.56
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	4	0.56
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	4	0.56
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	4	0.56
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	4	0.56
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	4	0.56
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	4	0.56
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	4	0.56
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	9	0.56
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	9	0.56
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	9	0.56
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	9	0.56
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	9	0.56
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	9	0.56
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	9	0.56
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	9	0.56
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	9	0.56
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	9	0.56
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	9	0.56
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	9	0.56
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	19	0.56
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	19	0.56
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	9	0.56
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	9	0.56
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	9	0.56
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	19	0.56
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	19	0.56
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	19	0.56
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	6	0.56
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	6	0.56
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	6	0.56
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	6	0.56
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	6	0.56
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	6	0.56
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	20	0.56
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	20	0.56
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	20	0.56
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	20	0.56
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	20	0.56
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	20	0.56
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	10	0.56
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	10	0.56
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	10	0.56
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	18	0.56
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	18	0.56
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	18	0.56
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	3	0.56
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	3	0.56
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	3	0.56
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	16	0.56
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	16	0.56
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	16	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	4	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	4	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	4	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	12	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	12	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	12	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	13	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	13	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	13	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	19	0.56
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	19	0.56
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD21	9	0.56
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD22	9	0.56
(1,498)	1:71:A:LEU:H	1:71:A:LEU:HD23	9	0.56
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	19	0.56
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	19	0.56
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	19	0.56
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	16	0.55
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	16	0.55
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	16	0.55
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	5	0.55
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	5	0.55
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	5	0.55
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	19	0.55
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	19	0.55
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	19	0.55
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	7	0.55
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	7	0.55
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	7	0.55
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	15	0.55
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	15	0.55
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	15	0.55
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	17	0.55
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	17	0.55
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	17	0.55
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	6	0.55
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	6	0.55
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	6	0.55
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	6	0.55
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	6	0.55
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	6	0.55
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	11	0.55
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	11	0.55
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	11	0.55
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	18	0.55
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	18	0.55
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	18	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	1	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	1	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	1	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	8	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	8	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	14	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	14	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	14	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	15	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	15	0.55
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	15	0.55
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	12	0.55
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	12	0.55
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	12	0.55
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	17	0.55
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	17	0.55
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	17	0.55
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	18	0.55
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	18	0.55
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	18	0.55
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	6	0.55
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	6	0.55
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	6	0.55
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	6	0.55
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	6	0.55
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	6	0.55
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	2	0.55
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	2	0.55
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	2	0.55
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	4	0.55
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	4	0.55
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	4	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	1	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	1	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	1	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	1	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	1	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	1	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	5	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	5	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	5	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	5	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	5	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	5	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	7	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	7	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	7	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	7	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	7	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	8	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	8	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	8	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	8	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	8	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	8	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	11	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	11	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	11	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	11	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	11	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	11	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	12	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	12	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	12	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	12	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	12	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	12	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	15	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	15	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	15	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	15	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	15	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	15	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	16	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	16	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	16	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	16	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	16	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	16	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	17	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	17	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	17	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	17	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	17	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	17	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	18	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	18	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	18	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	18	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	18	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	19	0.55
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	19	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	19	0.55
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	19	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	19	0.55
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	19	0.55
(1,1480)	1:111:A:LEU:HD21	1:108:A:ASP:HA	9	0.55
(1,1480)	1:111:A:LEU:HD22	1:108:A:ASP:HA	9	0.55
(1,1480)	1:111:A:LEU:HD23	1:108:A:ASP:HA	9	0.55
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	19	0.55
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	19	0.55
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	19	0.55
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	19	0.55
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	19	0.55
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	19	0.55
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	19	0.55
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	19	0.55
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	19	0.55
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	12	0.55
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	12	0.55
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	12	0.55
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	12	0.55
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	12	0.55
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	12	0.55
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	12	0.55
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	12	0.55
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	12	0.55
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	15	0.55
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	15	0.55
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	15	0.55
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	15	0.55
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	15	0.55
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	15	0.55
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	12	0.55
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	12	0.55
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	12	0.55
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	20	0.55
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	20	0.55
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD21	9	0.55
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD22	9	0.55
(1,946)	1:108:A:ASP:HA	1:111:A:LEU:HD23	9	0.55
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	2	0.55
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	2	0.55
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	2	0.55
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG21	15	0.55
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG22	15	0.55
(1,624)	1:19:A:ALA:H	1:18:A:VAL:HG23	15	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	12	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	12	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	12	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	17	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	17	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	17	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	18	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	18	0.55
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	18	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	7	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	7	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	7	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	15	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	15	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	15	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	17	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	17	0.55
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	17	0.55
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	18	0.55
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	18	0.55
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	18	0.55
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	5	0.55
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	5	0.55
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	5	0.55
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	15	0.54
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	15	0.54
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	15	0.54
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	1	0.54
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	1	0.54
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	1	0.54
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	6	0.54
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	6	0.54
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	11	0.54
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	11	0.54
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	11	0.54
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	12	0.54
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	12	0.54
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	12	0.54
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	15	0.54
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	15	0.54
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	15	0.54
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	6	0.54
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	6	0.54
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	6	0.54
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	20	0.54
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	20	0.54
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	20	0.54
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	5	0.54
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	5	0.54
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	5	0.54
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	8	0.54
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	8	0.54
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	8	0.54
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	13	0.54
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	13	0.54
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	13	0.54
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	20	0.54
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	20	0.54
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	20	0.54
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	20	0.54
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	20	0.54
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	20	0.54
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	9	0.54
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	9	0.54
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	9	0.54
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	4	0.54
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	4	0.54
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	4	0.54
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	4	0.54
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	4	0.54
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	4	0.54
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	4	0.54
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	4	0.54
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	2	0.54
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	2	0.54
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	2	0.54
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	2	0.54
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	2	0.54
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	2	0.54
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	2	0.54
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	2	0.54
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	2	0.54
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	18	0.54
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	18	0.54
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	18	0.54
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	18	0.54
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	18	0.54
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	18	0.54
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	18	0.54
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	18	0.54
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	18	0.54
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	1	0.54
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	1	0.54
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	1	0.54
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	1	0.54
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	1	0.54
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	1	0.54
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	1	0.54
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	1	0.54
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	1	0.54
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	1	0.54
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	1	0.54
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	1	0.54
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	1	0.54
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	1	0.54
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	1	0.54
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	1	0.54
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	1	0.54
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	1	0.54
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	4	0.54
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	4	0.54
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	4	0.54
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	4	0.54
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	4	0.54
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	4	0.54
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	4	0.54
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	4	0.54
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	4	0.54
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	4	0.54
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	4	0.54
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	4	0.54
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	4	0.54
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	4	0.54
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	4	0.54
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	4	0.54
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	4	0.54
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	14	0.54
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	14	0.54
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	14	0.54
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	14	0.54
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	14	0.54
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	14	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	1	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	1	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	1	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	3	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	3	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	3	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	4	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	4	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	4	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	8	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	8	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	8	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	13	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	13	0.54
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	13	0.54
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	10	0.54
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	10	0.54
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	10	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	5	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	5	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	5	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	8	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	8	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	13	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	13	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	13	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	20	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	20	0.54
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	20	0.54
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG11	5	0.54
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG12	5	0.54
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG13	5	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	1	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	1	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	1	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	6	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	6	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	6	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	11	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	11	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	11	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	12	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	12	0.54
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	12	0.54
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	9	0.54
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	9	0.54
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	9	0.54
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	15	0.54
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	15	0.54
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	15	0.54
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	15	0.54
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	15	0.54
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	15	0.54
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	18	0.53
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	18	0.53
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	18	0.53
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	12	0.53
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	12	0.53
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	12	0.53
(1,3721)	1:123:A:LEU:HD21	1:91:A:ALA:H	13	0.53
(1,3721)	1:123:A:LEU:HD22	1:91:A:ALA:H	13	0.53
(1,3721)	1:123:A:LEU:HD23	1:91:A:ALA:H	13	0.53
(1,3715)	1:53:A:LEU:HD21	1:90:A:ILE:H	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3715)	1:53:A:LEU:HD22	1:90:A:ILE:H	15	0.53
(1,3715)	1:53:A:LEU:HD23	1:90:A:ILE:H	15	0.53
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	5	0.53
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	5	0.53
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	5	0.53
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	8	0.53
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	8	0.53
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	8	0.53
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	9	0.53
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	9	0.53
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	9	0.53
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	16	0.53
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	16	0.53
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	16	0.53
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	20	0.53
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	20	0.53
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	20	0.53
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	7	0.53
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	7	0.53
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	7	0.53
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	15	0.53
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	15	0.53
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	15	0.53
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	15	0.53
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	15	0.53
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	15	0.53
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	3	0.53
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	3	0.53
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	3	0.53
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	11	0.53
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	11	0.53
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	11	0.53
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	14	0.53
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	14	0.53
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	14	0.53
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	16	0.53
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	16	0.53
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	16	0.53
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	17	0.53
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	17	0.53
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	17	0.53
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	14	0.53
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	14	0.53
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	14	0.53
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	14	0.53
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	14	0.53
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	5	0.53
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	5	0.53
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	5	0.53
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	5	0.53
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	5	0.53
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	5	0.53
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	5	0.53
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	5	0.53
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	5	0.53
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	6	0.53
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	6	0.53
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	6	0.53
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	6	0.53
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	6	0.53
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	6	0.53
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	18	0.53
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	18	0.53
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	18	0.53
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	18	0.53
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	18	0.53
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	18	0.53
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB2	16	0.53
(1,2211)	1:18:A:VAL:HG11	1:133:A:PRO:HB3	16	0.53
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB2	16	0.53
(1,2211)	1:18:A:VAL:HG12	1:133:A:PRO:HB3	16	0.53
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB2	16	0.53
(1,2211)	1:18:A:VAL:HG13	1:133:A:PRO:HB3	16	0.53
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	3	0.53
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	3	0.53
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	3	0.53
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	13	0.53
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	13	0.53
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	13	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	6	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	6	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	6	0.53
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	6	0.53
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	6	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	6	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	6	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	6	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	12	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	12	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	12	0.53
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	12	0.53
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	12	0.53
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	12	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	12	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	12	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	12	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	18	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	18	0.53
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	18	0.53
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	18	0.53
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	18	0.53
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	18	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	18	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	18	0.53
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	18	0.53
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	1	0.53
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	1	0.53
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	1	0.53
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	1	0.53
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	1	0.53
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	1	0.53
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	1	0.53
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	1	0.53
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	1	0.53
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	10	0.53
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	10	0.53
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	10	0.53
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	10	0.53
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	10	0.53
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	10	0.53
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	10	0.53
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	10	0.53
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	10	0.53
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	8	0.53
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	8	0.53
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	8	0.53
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	8	0.53
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	8	0.53
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	8	0.53
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	8	0.53
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	8	0.53
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	8	0.53
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	8	0.53
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	8	0.53
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	14	0.53
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	14	0.53
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	14	0.53
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	14	0.53
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	14	0.53
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	14	0.53
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	6	0.53
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	6	0.53
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	6	0.53
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	17	0.53
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	17	0.53
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	17	0.53
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	13	0.53
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	13	0.53
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	13	0.53
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	13	0.53
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	13	0.53
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	13	0.53
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	6	0.53
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	6	0.53
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	6	0.53
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	10	0.53
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	10	0.53
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	10	0.53
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	10	0.53
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	10	0.53
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	10	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	3	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	3	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	3	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	11	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	11	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	14	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	14	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	14	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	16	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	16	0.53
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	16	0.53
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	3	0.53
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	3	0.53
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	3	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	5	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	5	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	5	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	8	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	8	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	8	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	9	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	9	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	9	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	16	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	16	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	16	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	20	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	20	0.53
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	20	0.53
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	6	0.53
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	6	0.53
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	6	0.53
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	10	0.53
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	10	0.53
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	10	0.53
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	18	0.53
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	18	0.53
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	18	0.53
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	20	0.53
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	20	0.53
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	20	0.53
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	9	0.52
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	9	0.52
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	9	0.52
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	11	0.52
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	11	0.52
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	13	0.52
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	13	0.52
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	13	0.52
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	14	0.52
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	14	0.52
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	14	0.52
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	19	0.52
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	19	0.52
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	19	0.52
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	10	0.52
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	10	0.52
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	10	0.52
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	3	0.52
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	3	0.52
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	3	0.52
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	3	0.52
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	3	0.52
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	3	0.52
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	9	0.52
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	9	0.52
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	9	0.52
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	9	0.52
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	9	0.52
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	9	0.52
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	1	0.52
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	1	0.52
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	1	0.52
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	9	0.52
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	9	0.52
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	9	0.52
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	9	0.52
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	9	0.52
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	9	0.52
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	14	0.52
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	14	0.52
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	14	0.52
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	1	0.52
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	1	0.52
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	1	0.52
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	1	0.52
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	1	0.52
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	1	0.52
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	1	0.52
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	1	0.52
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	1	0.52
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	1	0.52
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	1	0.52
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	19	0.52
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	19	0.52
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	19	0.52
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	19	0.52
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	19	0.52
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	19	0.52
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	19	0.52
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	19	0.52
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	19	0.52
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG12	3	0.52
(1,1986)	1:53:A:LEU:HD11	1:6:A:ILE:HG13	3	0.52
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG12	3	0.52
(1,1986)	1:53:A:LEU:HD12	1:6:A:ILE:HG13	3	0.52
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG12	3	0.52
(1,1986)	1:53:A:LEU:HD13	1:6:A:ILE:HG13	3	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	5	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	5	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	5	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	5	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	5	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	5	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	6	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	6	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	6	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	6	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	6	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	6	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	10	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	10	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	10	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	10	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	10	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	10	0.52
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	13	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	13	0.52
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	13	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	13	0.52
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	13	0.52
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	1	0.52
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	1	0.52
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	1	0.52
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	1	0.52
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	1	0.52
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	1	0.52
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	17	0.52
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	17	0.52
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	17	0.52
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	17	0.52
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	17	0.52
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	17	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	5	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	5	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	5	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	5	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	5	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	5	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	6	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	6	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	6	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	6	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	6	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	6	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	10	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	10	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	10	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	10	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	10	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	10	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	13	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	13	0.52
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	13	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	13	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	13	0.52
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	13	0.52
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	4	0.52
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	4	0.52
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	4	0.52
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	4	0.52
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	4	0.52
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	4	0.52
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	4	0.52
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	4	0.52
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	13	0.52
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	13	0.52
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	13	0.52
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	13	0.52
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	13	0.52
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	13	0.52
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	13	0.52
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	13	0.52
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	13	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	5	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	5	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	5	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	5	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	5	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	5	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	6	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	6	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	6	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	6	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	6	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	6	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	10	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	10	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	10	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	10	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	10	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	10	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	13	0.52
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	13	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	13	0.52
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	13	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	13	0.52
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	13	0.52
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	3	0.52
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	3	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	3	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	3	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	3	0.52
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	3	0.52
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	3	0.52
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	3	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	3	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	3	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	3	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	3	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	3	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	3	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	3	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	3	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	3	0.52
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	5	0.52
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	5	0.52
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	5	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	5	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	5	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	5	0.52
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	5	0.52
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	5	0.52
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	5	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	5	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	5	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	5	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	5	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	5	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	5	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	5	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	5	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	5	0.52
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	13	0.52
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	13	0.52
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	13	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	13	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	13	0.52
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	13	0.52
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	13	0.52
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	13	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	13	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	13	0.52
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	13	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	13	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	13	0.52
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	13	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	13	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	13	0.52
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	13	0.52
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	19	0.52
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	19	0.52
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	19	0.52
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	19	0.52
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	19	0.52
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	19	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	5	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	5	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	5	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	5	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	5	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	5	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	5	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	5	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	5	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	5	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	5	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	5	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	20	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	20	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	20	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	20	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	20	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	20	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	20	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	20	0.52
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	20	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	20	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	20	0.52
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	20	0.52
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	1	0.52
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	1	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	1	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	1	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	1	0.52
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	17	0.52
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	17	0.52
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	17	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	17	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	17	0.52
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	17	0.52
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	16	0.52
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	16	0.52
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	16	0.52
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	19	0.52
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	19	0.52
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	19	0.52
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	1	0.52
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	1	0.52
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	1	0.52
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	9	0.52
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	9	0.52
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	9	0.52
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	14	0.52
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	14	0.52
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	14	0.52
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	19	0.52
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	19	0.52
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	19	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	4	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	4	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	4	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	15	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	15	0.52
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	15	0.52
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	9	0.52
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	9	0.52
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	9	0.52
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	11	0.52
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	11	0.52
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	11	0.52
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	9	0.52
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	9	0.52
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	13	0.52
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	13	0.52
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	13	0.52
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	1	0.51
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	1	0.51
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	1	0.51
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	17	0.51
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	17	0.51
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	17	0.51
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	2	0.51
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	2	0.51
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	2	0.51
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	3	0.51
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	3	0.51
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	3	0.51
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	4	0.51
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	4	0.51
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	4	0.51
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	13	0.51
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	13	0.51
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	13	0.51
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	16	0.51
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	16	0.51
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	16	0.51
(1,2861)	1:52:A:VAL:HG11	1:87:A:TYR:HA	7	0.51
(1,2861)	1:52:A:VAL:HG12	1:87:A:TYR:HA	7	0.51
(1,2861)	1:52:A:VAL:HG13	1:87:A:TYR:HA	7	0.51
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	18	0.51
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	18	0.51
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	18	0.51
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	12	0.51
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	12	0.51
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	12	0.51
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	12	0.51
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	12	0.51
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	12	0.51
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	8	0.51
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	8	0.51
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	8	0.51
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	8	0.51
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	8	0.51
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	10	0.51
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	10	0.51
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	10	0.51
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	10	0.51
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	10	0.51
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	10	0.51
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	12	0.51
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	12	0.51
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	12	0.51
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	12	0.51
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	12	0.51
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	12	0.51
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	12	0.51
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	12	0.51
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	12	0.51
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	12	0.51
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	12	0.51
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	12	0.51
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	9	0.51
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	9	0.51
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	9	0.51
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	9	0.51
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	9	0.51
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	9	0.51
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	9	0.51
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	9	0.51
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	9	0.51
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	19	0.51
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	19	0.51
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	19	0.51
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	19	0.51
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	19	0.51
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	19	0.51
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	19	0.51
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	19	0.51
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	19	0.51
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	19	0.51
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	19	0.51
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	19	0.51
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	19	0.51
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	19	0.51
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	19	0.51
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	19	0.51
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	19	0.51
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	7	0.51
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	7	0.51
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	7	0.51
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	7	0.51
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	7	0.51
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	7	0.51
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	17	0.51
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	17	0.51
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	17	0.51
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	17	0.51
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	17	0.51
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	17	0.51
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	8	0.51
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	8	0.51
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	8	0.51
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	8	0.51
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	8	0.51
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	8	0.51
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	10	0.51
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	10	0.51
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	10	0.51
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	10	0.51
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	10	0.51
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	10	0.51
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	13	0.51
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	13	0.51
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	13	0.51
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG11	7	0.51
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG12	7	0.51
(1,565)	1:87:A:TYR:HA	1:52:A:VAL:HG13	7	0.51
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	3	0.51
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	3	0.51
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	3	0.51
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	4	0.51
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	4	0.51
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	4	0.51
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	13	0.51
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	13	0.51
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	1	0.51
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	1	0.51
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	1	0.51
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	17	0.51
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	17	0.51
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	17	0.51
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	3	0.5
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	3	0.5
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	3	0.5
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	18	0.5
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	18	0.5
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	18	0.5
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	2	0.5
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	2	0.5
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	2	0.5
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	1	0.5
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	1	0.5
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	1	0.5
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	3	0.5
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	3	0.5
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	3	0.5
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	9	0.5
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	9	0.5
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	9	0.5
(1,3380)	1:41:A:LEU:HD21	1:41:A:LEU:H	2	0.5
(1,3380)	1:41:A:LEU:HD22	1:41:A:LEU:H	2	0.5
(1,3380)	1:41:A:LEU:HD23	1:41:A:LEU:H	2	0.5
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	5	0.5
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	5	0.5
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	5	0.5
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	19	0.5
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	19	0.5
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	19	0.5
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	2	0.5
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	2	0.5
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	2	0.5
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	2	0.5
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	2	0.5
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	2	0.5
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	17	0.5
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	17	0.5
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	17	0.5
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	17	0.5
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	17	0.5
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB2	8	0.5
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB3	8	0.5
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB2	8	0.5
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB3	8	0.5
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB2	8	0.5
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB3	8	0.5
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	8	0.5
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	8	0.5
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	8	0.5
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	8	0.5
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	8	0.5
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	8	0.5
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	8	0.5
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	8	0.5
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	8	0.5
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	8	0.5
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	8	0.5
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	8	0.5
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	17	0.5
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	17	0.5
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	17	0.5
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	17	0.5
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	17	0.5
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	17	0.5
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	17	0.5
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	17	0.5
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	17	0.5
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	17	0.5
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	17	0.5
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	17	0.5
(1,1956)	1:148:A:LEU:HD11	1:119:A:VAL:HB	4	0.5
(1,1956)	1:148:A:LEU:HD12	1:119:A:VAL:HB	4	0.5
(1,1956)	1:148:A:LEU:HD13	1:119:A:VAL:HB	4	0.5
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	1	0.5
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	1	0.5
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	1	0.5
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	1	0.5
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	1	0.5
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	2	0.5
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	2	0.5
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	2	0.5
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	2	0.5
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	2	0.5
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	2	0.5
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	13	0.5
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	13	0.5
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	13	0.5
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	13	0.5
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	13	0.5
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	13	0.5
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	16	0.5
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	16	0.5
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	16	0.5
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	16	0.5
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	16	0.5
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	16	0.5
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	12	0.5
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	12	0.5
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	12	0.5
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	6	0.5
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	6	0.5
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	6	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	6	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	6	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	6	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	6	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	6	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	6	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	6	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	6	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	6	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	6	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	6	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	6	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	6	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	6	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	6	0.5
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	12	0.5
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	12	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	12	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	12	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	12	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	12	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	12	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	12	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	12	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	12	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	12	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	12	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	12	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	12	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	12	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	12	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	12	0.5
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	14	0.5
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	14	0.5
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	14	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	14	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	14	0.5
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	14	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	14	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	14	0.5
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	14	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	14	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	14	0.5
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	14	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	14	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	14	0.5
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	14	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	14	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	14	0.5
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	14	0.5
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	7	0.5
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	7	0.5
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	7	0.5
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	7	0.5
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	7	0.5
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	7	0.5
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	7	0.5
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	7	0.5
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	7	0.5
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	7	0.5
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	7	0.5
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	10	0.5
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	10	0.5
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	10	0.5
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	10	0.5
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	10	0.5
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	10	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	2	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	2	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	2	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	2	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	2	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	2	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	13	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	13	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	13	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	13	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	13	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	13	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	16	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	16	0.5
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	16	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	16	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	16	0.5
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	16	0.5
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	12	0.5
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	12	0.5
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	12	0.5
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	11	0.5
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	11	0.5
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	11	0.5
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	14	0.5
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	14	0.5
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	14	0.5
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	3	0.5
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	3	0.5
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	3	0.5
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	18	0.5
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	18	0.5
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG11	3	0.5
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG12	3	0.5
(1,550)	1:36:A:PHE:H	1:35:A:VAL:HG13	3	0.5
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD21	2	0.5
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD22	2	0.5
(1,545)	1:41:A:LEU:H	1:41:A:LEU:HD23	2	0.5
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	13	0.5
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	13	0.5
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	13	0.5
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	14	0.5
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	14	0.5
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	14	0.5
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	2	0.5
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	2	0.5
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	2	0.5
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	1	0.5
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	1	0.5
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	1	0.5
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	9	0.5
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	9	0.5
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	9	0.5
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	15	0.49
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	15	0.49
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	15	0.49
(1,4126)	1:141:A:VAL:HG21	1:145:A:GLY:H	4	0.49
(1,4126)	1:141:A:VAL:HG22	1:145:A:GLY:H	4	0.49
(1,4126)	1:141:A:VAL:HG23	1:145:A:GLY:H	4	0.49
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	8	0.49
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	8	0.49
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	8	0.49
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	4	0.49
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	4	0.49
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	4	0.49
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	14	0.49
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	14	0.49
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	14	0.49
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	17	0.49
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	17	0.49
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	17	0.49
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	19	0.49
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	19	0.49
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	16	0.49
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	16	0.49
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	16	0.49
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	17	0.49
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	17	0.49
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	17	0.49
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	17	0.49
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	17	0.49
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	17	0.49
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	5	0.49
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	5	0.49
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	5	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	1	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	1	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	1	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	1	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	1	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	1	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	11	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	11	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	11	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	11	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	11	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	11	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	12	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	12	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	12	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	12	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	12	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	12	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	15	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	15	0.49
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	15	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	15	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	15	0.49
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	15	0.49
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	6	0.49
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	6	0.49
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	6	0.49
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	6	0.49
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	6	0.49
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	6	0.49
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	6	0.49
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	6	0.49
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	6	0.49
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	6	0.49
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	6	0.49
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	12	0.49
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	12	0.49
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	12	0.49
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	5	0.49
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	5	0.49
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	5	0.49
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	5	0.49
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	5	0.49
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	5	0.49
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	5	0.49
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	5	0.49
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	5	0.49
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	4	0.49
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	4	0.49
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	4	0.49
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	4	0.49
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	4	0.49
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	4	0.49
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	9	0.49
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	9	0.49
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	9	0.49
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	9	0.49
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	9	0.49
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	9	0.49
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	18	0.49
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	18	0.49
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	18	0.49
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	18	0.49
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	18	0.49
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	18	0.49
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	1	0.49
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	1	0.49
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	1	0.49
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	1	0.49
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	1	0.49
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	10	0.49
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	10	0.49
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	10	0.49
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	10	0.49
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	10	0.49
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	10	0.49
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	13	0.49
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	13	0.49
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	13	0.49
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	13	0.49
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	13	0.49
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	13	0.49
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	1	0.49
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	1	0.49
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	1	0.49
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	1	0.49
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	1	0.49
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	1	0.49
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	15	0.49
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	15	0.49
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	15	0.49
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	15	0.49
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	15	0.49
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	15	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	4	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	4	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	4	0.49
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	4	0.49
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	4	0.49
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	4	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	9	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	9	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	9	0.49
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	9	0.49
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	9	0.49
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	9	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	18	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	18	0.49
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	18	0.49
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	18	0.49
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	18	0.49
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	4	0.49
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	4	0.49
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	4	0.49
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	15	0.49
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	15	0.49
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	15	0.49
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	8	0.49
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	8	0.49
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	8	0.49
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	3	0.48
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	3	0.48
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	3	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	1	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	1	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	1	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	2	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	2	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	2	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	6	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	6	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	6	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	8	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	8	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	8	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	9	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	9	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	9	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	12	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	12	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	12	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	14	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	14	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	14	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	19	0.48
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	19	0.48
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	19	0.48
(1,4125)	1:26:A:LEU:HD11	1:145:A:GLY:H	4	0.48
(1,4125)	1:26:A:LEU:HD12	1:145:A:GLY:H	4	0.48
(1,4125)	1:26:A:LEU:HD13	1:145:A:GLY:H	4	0.48
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	5	0.48
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	5	0.48
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	7	0.48
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	7	0.48
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	7	0.48
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	8	0.48
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	8	0.48
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	8	0.48
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	12	0.48
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	12	0.48
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	12	0.48
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	16	0.48
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	16	0.48
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	16	0.48
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	3	0.48
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	3	0.48
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	3	0.48
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG21	10	0.48
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG22	10	0.48
(1,2879)	1:25:A:ILE:H	1:141:A:VAL:HG23	10	0.48
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	5	0.48
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	5	0.48
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	5	0.48
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	5	0.48
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	5	0.48
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	5	0.48
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG11	5	0.48
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG12	5	0.48
(1,2401)	1:21:A:GLU:H	1:35:A:VAL:HG13	5	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	10	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	10	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	10	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	10	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	10	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	10	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	13	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	13	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	13	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	13	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	13	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	13	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	19	0.48
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	19	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	19	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	19	0.48
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	19	0.48
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	4	0.48
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	4	0.48
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	4	0.48
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	4	0.48
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	4	0.48
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	4	0.48
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	4	0.48
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	4	0.48
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	4	0.48
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	4	0.48
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	4	0.48
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	4	0.48
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	20	0.48
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	20	0.48
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	20	0.48
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	20	0.48
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	20	0.48
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	20	0.48
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	20	0.48
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	20	0.48
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	20	0.48
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	20	0.48
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	20	0.48
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	20	0.48
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	3	0.48
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	3	0.48
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	3	0.48
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	3	0.48
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	3	0.48
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	3	0.48
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	20	0.48
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	20	0.48
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	20	0.48
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	3	0.48
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	3	0.48
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	3	0.48
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	3	0.48
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	3	0.48
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	2	0.48
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	2	0.48
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	2	0.48
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	2	0.48
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	2	0.48
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	2	0.48
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	2	0.48
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	2	0.48
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	2	0.48
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD11	8	0.48
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD12	8	0.48
(1,1369)	1:75:A:ILE:HD11	1:111:A:LEU:HD13	8	0.48
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD11	8	0.48
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD12	8	0.48
(1,1369)	1:75:A:ILE:HD12	1:111:A:LEU:HD13	8	0.48
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD11	8	0.48
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD12	8	0.48
(1,1369)	1:75:A:ILE:HD13	1:111:A:LEU:HD13	8	0.48
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	3	0.48
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	3	0.48
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	3	0.48
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	3	0.48
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	3	0.48
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	3	0.48
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	11	0.48
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	11	0.48
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	11	0.48
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	11	0.48
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	11	0.48
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	11	0.48
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	11	0.48
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	11	0.48
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	11	0.48
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	11	0.48
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	11	0.48
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	11	0.48
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	11	0.48
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	11	0.48
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	11	0.48
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	11	0.48
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	11	0.48
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	2	0.48
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	2	0.48
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	2	0.48
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	2	0.48
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	2	0.48
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	2	0.48
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	3	0.48
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	3	0.48
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	3	0.48
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	3	0.48
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	3	0.48
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	3	0.48
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	4	0.48
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	4	0.48
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	4	0.48
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	4	0.48
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	4	0.48
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	4	0.48
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	12	0.48
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	12	0.48
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	12	0.48
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	12	0.48
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	12	0.48
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	12	0.48
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	1	0.48
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	1	0.48
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	1	0.48
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	12	0.48
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	12	0.48
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	12	0.48
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	6	0.48
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	6	0.48
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	6	0.48
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	6	0.48
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	6	0.48
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	6	0.48
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	6	0.48
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	6	0.48
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	6	0.48
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	6	0.48
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	6	0.48
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	9	0.48
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	9	0.48
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	9	0.48
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	9	0.48
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	9	0.48
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	9	0.48
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	20	0.48
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	20	0.48
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	20	0.48
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD21	7	0.48
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD22	7	0.48
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD23	7	0.48
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	1	0.48
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	1	0.48
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	1	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	1	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	1	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	1	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	2	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	2	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	2	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	6	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	6	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	6	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	8	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	8	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	8	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	9	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	9	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	9	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	12	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	12	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	12	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	14	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	14	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	14	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	19	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	19	0.48
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	19	0.48
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	16	0.48
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	16	0.48
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	8	0.48
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	8	0.48
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	8	0.48
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	7	0.48
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	7	0.48
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	7	0.48
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	6	0.48
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	6	0.48
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	6	0.48
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	7	0.47
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	7	0.47
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	7	0.47
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	10	0.47
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	10	0.47
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	10	0.47
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	11	0.47
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	11	0.47
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	11	0.47
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	16	0.47
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	16	0.47
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	16	0.47
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	6	0.47
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	6	0.47
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	6	0.47
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	11	0.47
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	11	0.47
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	11	0.47
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	18	0.47
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	18	0.47
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	18	0.47
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	9	0.47
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	9	0.47
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	9	0.47
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	9	0.47
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	9	0.47
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	9	0.47
(1,2989)	1:123:A:LEU:HD21	1:124:A:LEU:HA	14	0.47
(1,2989)	1:123:A:LEU:HD22	1:124:A:LEU:HA	14	0.47
(1,2989)	1:123:A:LEU:HD23	1:124:A:LEU:HA	14	0.47
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	15	0.47
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	15	0.47
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	15	0.47
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	15	0.47
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	15	0.47
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	13	0.47
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	13	0.47
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	13	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	4	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	4	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	4	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	4	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	4	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	4	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	9	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	9	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	9	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	9	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	9	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	9	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	14	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	14	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	14	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	14	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	14	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	14	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	20	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	20	0.47
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	20	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	20	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	20	0.47
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	20	0.47
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB2	9	0.47
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB3	9	0.47
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB2	9	0.47
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB3	9	0.47
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB2	9	0.47
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB3	9	0.47
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	2	0.47
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	2	0.47
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	2	0.47
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD2	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:64:A:LEU:HD11	1:65:A:PRO:HD3	12	0.47
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD2	12	0.47
(1,1569)	1:64:A:LEU:HD12	1:65:A:PRO:HD3	12	0.47
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD2	12	0.47
(1,1569)	1:64:A:LEU:HD13	1:65:A:PRO:HD3	12	0.47
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	3	0.47
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	3	0.47
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	3	0.47
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	6	0.47
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	6	0.47
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	6	0.47
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	9	0.47
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	9	0.47
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	9	0.47
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	9	0.47
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	9	0.47
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	9	0.47
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	20	0.47
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	20	0.47
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	20	0.47
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	20	0.47
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	20	0.47
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	20	0.47
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	2	0.47
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	2	0.47
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	2	0.47
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	2	0.47
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	2	0.47
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	2	0.47
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	7	0.47
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	7	0.47
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	7	0.47
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	7	0.47
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	7	0.47
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	7	0.47
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	17	0.47
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	17	0.47
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	17	0.47
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	17	0.47
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	17	0.47
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	17	0.47
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	18	0.47
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	18	0.47
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	18	0.47
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	18	0.47
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	18	0.47
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD11	12	0.47
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD12	12	0.47
(1,953)	1:65:A:PRO:HD2	1:64:A:LEU:HD13	12	0.47
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD11	12	0.47
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD12	12	0.47
(1,953)	1:65:A:PRO:HD3	1:64:A:LEU:HD13	12	0.47
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	3	0.47
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	3	0.47
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	3	0.47
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	6	0.47
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	6	0.47
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	6	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	7	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	7	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	7	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	10	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	10	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	10	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	11	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	11	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	11	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	16	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	16	0.47
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	16	0.47
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	9	0.47
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	9	0.47
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	9	0.47
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	17	0.47
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	17	0.47
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	17	0.47
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	4	0.46
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	4	0.46
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	4	0.46
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	5	0.46
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	5	0.46
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	5	0.46
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	17	0.46
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	17	0.46
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	20	0.46
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	20	0.46
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	20	0.46
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	20	0.46
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	20	0.46
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	20	0.46
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	15	0.46
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	15	0.46
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	15	0.46
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	20	0.46
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	20	0.46
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	20	0.46
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	11	0.46
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	11	0.46
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	11	0.46
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	11	0.46
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	11	0.46
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	11	0.46
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	16	0.46
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	16	0.46
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	16	0.46
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	16	0.46
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	16	0.46
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	16	0.46
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	19	0.46
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	19	0.46
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	19	0.46
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	19	0.46
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	19	0.46
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	19	0.46
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	6	0.46
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	6	0.46
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	6	0.46
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	12	0.46
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	12	0.46
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	12	0.46
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	5	0.46
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	5	0.46
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	5	0.46
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	5	0.46
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	5	0.46
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	16	0.46
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	16	0.46
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	16	0.46
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	16	0.46
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	16	0.46
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	16	0.46
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	9	0.46
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	9	0.46
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	9	0.46
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	9	0.46
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	9	0.46
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	9	0.46
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	9	0.46
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	9	0.46
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	9	0.46
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	2	0.46
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	2	0.46
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	2	0.46
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	2	0.46
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	2	0.46
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	2	0.46
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	2	0.46
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	2	0.46
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	2	0.46
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	2	0.46
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	2	0.46
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	2	0.46
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	2	0.46
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	2	0.46
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	2	0.46
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	2	0.46
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	2	0.46
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	2	0.46
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG11	7	0.46
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG12	7	0.46
(1,1299)	1:85:A:LEU:HD21	1:52:A:VAL:HG13	7	0.46
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG11	7	0.46
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG12	7	0.46
(1,1299)	1:85:A:LEU:HD22	1:52:A:VAL:HG13	7	0.46
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG11	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG12	7	0.46
(1,1299)	1:85:A:LEU:HD23	1:52:A:VAL:HG13	7	0.46
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG11	7	0.46
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG12	7	0.46
(1,1299)	1:85:A:LEU:HD11	1:52:A:VAL:HG13	7	0.46
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG11	7	0.46
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG12	7	0.46
(1,1299)	1:85:A:LEU:HD12	1:52:A:VAL:HG13	7	0.46
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG11	7	0.46
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG12	7	0.46
(1,1299)	1:85:A:LEU:HD13	1:52:A:VAL:HG13	7	0.46
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	14	0.46
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	14	0.46
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	14	0.46
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	14	0.46
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	14	0.46
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	14	0.46
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	17	0.46
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	17	0.46
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	17	0.46
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	17	0.46
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	17	0.46
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	17	0.46
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	13	0.46
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	13	0.46
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	13	0.46
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	13	0.46
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	13	0.46
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	13	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	4	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	4	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	4	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	6	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	6	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	6	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	11	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	11	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	11	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	13	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	13	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	13	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	14	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	14	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	14	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	19	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	19	0.46
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	19	0.46
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	1	0.46
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	1	0.46
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	1	0.46
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	12	0.46
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	12	0.46
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	12	0.46
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	12	0.46
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	12	0.46
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	12	0.46
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD21	4	0.46
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD22	4	0.46
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD23	4	0.46
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD21	4	0.46
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD22	4	0.46
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD23	4	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	4	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	4	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	4	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	5	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	5	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	5	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	17	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	17	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	17	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	20	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	20	0.46
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	20	0.46
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	13	0.46
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	13	0.46
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	13	0.46
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	7	0.46
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	7	0.46
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	7	0.46
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	4	0.46
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	4	0.46
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	4	0.46
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	20	0.46
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	20	0.46
(1,4151)	1:147:A:LEU:HD11	1:147:A:LEU:H	13	0.45
(1,4151)	1:147:A:LEU:HD12	1:147:A:LEU:H	13	0.45
(1,4151)	1:147:A:LEU:HD13	1:147:A:LEU:H	13	0.45
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	18	0.45
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	18	0.45
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	18	0.45
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	19	0.45
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	19	0.45
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	19	0.45
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	20	0.45
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	20	0.45
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	20	0.45
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	19	0.45
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	19	0.45
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	19	0.45
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	19	0.45
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	19	0.45
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	19	0.45
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	19	0.45
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	19	0.45
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	19	0.45
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	17	0.45
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	17	0.45
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	17	0.45
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	5	0.45
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	5	0.45
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	5	0.45
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	5	0.45
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	5	0.45
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	5	0.45
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	5	0.45
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	5	0.45
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	5	0.45
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	5	0.45
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	5	0.45
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	5	0.45
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	13	0.45
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	13	0.45
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	13	0.45
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	15	0.45
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	15	0.45
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	15	0.45
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	15	0.45
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	15	0.45
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	15	0.45
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	15	0.45
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	15	0.45
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	16	0.45
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	16	0.45
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	16	0.45
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	16	0.45
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	16	0.45
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	16	0.45
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	16	0.45
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	16	0.45
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	16	0.45
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	12	0.45
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	12	0.45
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	12	0.45
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	12	0.45
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	12	0.45
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	12	0.45
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	12	0.45
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	12	0.45
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	12	0.45
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	15	0.45
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	15	0.45
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	15	0.45
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	15	0.45
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	15	0.45
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	15	0.45
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	15	0.45
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	15	0.45
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	15	0.45
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	20	0.45
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	20	0.45
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	20	0.45
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	20	0.45
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	20	0.45
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	20	0.45
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	2	0.45
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	2	0.45
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	9	0.45
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	9	0.45
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	9	0.45
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	18	0.45
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	18	0.45
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	18	0.45
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	20	0.45
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	20	0.45
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	20	0.45
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	20	0.45
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	20	0.45
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	20	0.45
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	12	0.45
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	12	0.45
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	12	0.45
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	12	0.45
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	12	0.45
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	12	0.45
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	12	0.45
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	12	0.45
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	12	0.45
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	15	0.45
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	15	0.45
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	15	0.45
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	15	0.45
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	15	0.45
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	15	0.45
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	15	0.45
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	15	0.45
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	15	0.45
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	20	0.45
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	20	0.45
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	20	0.45
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	20	0.45
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	20	0.45
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	20	0.45
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	5	0.45
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	5	0.45
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	5	0.45
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	5	0.45
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	5	0.45
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	15	0.45
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	15	0.45
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	15	0.45
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	15	0.45
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	15	0.45
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	15	0.45
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	18	0.45
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	18	0.45
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	18	0.45
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	18	0.45
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	18	0.45
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	18	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	7	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	7	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	7	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	16	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	16	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	16	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	20	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	20	0.45
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	20	0.45
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	14	0.45
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	14	0.45
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	14	0.45
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	14	0.45
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	14	0.45
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	14	0.45
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	15	0.45
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	15	0.45
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	15	0.45
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	15	0.45
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	15	0.45
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	15	0.45
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	2	0.45
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	2	0.45
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	2	0.45
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	9	0.45
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	9	0.45
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	9	0.45
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	18	0.45
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	18	0.45
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD21	5	0.45
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD22	5	0.45
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD23	5	0.45
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD21	5	0.45
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD22	5	0.45
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD23	5	0.45
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	12	0.45
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	12	0.45
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	12	0.45
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD11	13	0.45
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD12	13	0.45
(1,621)	1:147:A:LEU:H	1:147:A:LEU:HD13	13	0.45
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	12	0.45
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	12	0.45
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	12	0.45
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	14	0.45
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	14	0.45
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	14	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	3	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	3	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	3	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	8	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	8	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	8	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	15	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	15	0.45
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	15	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	5	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	5	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	5	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	11	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	11	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	11	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	12	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	12	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	12	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	20	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	20	0.45
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	20	0.45
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	5	0.45
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	5	0.45
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	2	0.45
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	2	0.45
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	2	0.45
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	13	0.44
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	13	0.44
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	13	0.44
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	8	0.44
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	8	0.44
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	8	0.44
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	9	0.44
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	9	0.44
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	9	0.44
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	18	0.44
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	18	0.44
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	18	0.44
(1,3382)	1:41:A:LEU:HD11	1:41:A:LEU:H	10	0.44
(1,3382)	1:41:A:LEU:HD12	1:41:A:LEU:H	10	0.44
(1,3382)	1:41:A:LEU:HD13	1:41:A:LEU:H	10	0.44
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	2	0.44
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	2	0.44
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	2	0.44
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	6	0.44
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	6	0.44
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	6	0.44
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	11	0.44
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	11	0.44
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	11	0.44
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	12	0.44
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	12	0.44
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	12	0.44
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	13	0.44
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	13	0.44
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	13	0.44
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	14	0.44
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	14	0.44
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	14	0.44
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	16	0.44
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	16	0.44
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	16	0.44
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	13	0.44
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	13	0.44
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	6	0.44
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	6	0.44
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	6	0.44
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	6	0.44
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	6	0.44
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	6	0.44
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	14	0.44
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	14	0.44
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	14	0.44
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	14	0.44
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	14	0.44
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	14	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	1	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	1	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	1	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	1	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	1	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	1	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	1	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	1	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	1	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	8	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	8	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	8	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	8	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	8	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	8	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	8	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	8	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	8	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	14	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	14	0.44
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	14	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	14	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	14	0.44
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	14	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	14	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	14	0.44
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	14	0.44
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	3	0.44
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	3	0.44
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	3	0.44
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	3	0.44
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	3	0.44
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	2	0.44
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	2	0.44
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	2	0.44
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	2	0.44
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	2	0.44
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	2	0.44
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	2	0.44
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	2	0.44
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	2	0.44
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	2	0.44
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	2	0.44
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	2	0.44
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	6	0.44
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	6	0.44
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	6	0.44
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	6	0.44
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	6	0.44
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	6	0.44
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	6	0.44
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	6	0.44
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	6	0.44
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	6	0.44
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	6	0.44
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	6	0.44
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	11	0.44
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	11	0.44
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	11	0.44
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	11	0.44
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	11	0.44
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	11	0.44
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	11	0.44
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	11	0.44
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	11	0.44
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	10	0.44
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	10	0.44
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	10	0.44
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	10	0.44
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	10	0.44
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	10	0.44
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	10	0.44
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	10	0.44
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	13	0.44
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	13	0.44
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	13	0.44
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	5	0.44
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	5	0.44
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	5	0.44
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	13	0.44
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	13	0.44
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	13	0.44
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	17	0.44
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	17	0.44
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	17	0.44
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	10	0.44
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	10	0.44
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	10	0.44
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	10	0.44
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	10	0.44
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	10	0.44
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	10	0.44
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	10	0.44
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	10	0.44
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	8	0.44
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	8	0.44
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	8	0.44
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	8	0.44
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	8	0.44
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	8	0.44
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	11	0.44
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	11	0.44
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	11	0.44
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	11	0.44
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	11	0.44
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	11	0.44
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	16	0.44
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	16	0.44
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	16	0.44
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	16	0.44
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	16	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	8	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	8	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	8	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	9	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	9	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	9	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	10	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	10	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	10	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	18	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	18	0.44
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	18	0.44
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	5	0.44
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	5	0.44
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	5	0.44
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	5	0.44
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	5	0.44
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	5	0.44
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	5	0.44
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	5	0.44
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	5	0.44
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD11	16	0.44
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD12	16	0.44
(1,967)	1:78:A:SER:HB2	1:45:A:LEU:HD13	16	0.44
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD11	16	0.44
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD12	16	0.44
(1,967)	1:78:A:SER:HB3	1:45:A:LEU:HD13	16	0.44
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG11	3	0.44
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG12	3	0.44
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG13	3	0.44
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	13	0.44
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	13	0.44
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	13	0.44
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	17	0.44
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	17	0.44
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	17	0.44
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	5	0.44
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	5	0.44
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	5	0.44
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	11	0.44
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	11	0.44
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	8	0.44
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	8	0.44
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	8	0.44
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	9	0.44
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	9	0.44
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	9	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	2	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	2	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	2	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	9	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	9	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	9	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	11	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	11	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	11	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	15	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	15	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	15	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	17	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	17	0.44
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	17	0.44
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	6	0.44
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	6	0.44
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	6	0.44
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	19	0.44
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	19	0.44
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	19	0.44
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	1	0.44
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	1	0.44
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	1	0.44
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	18	0.44
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	18	0.44
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	18	0.44
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	5	0.44
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	5	0.44
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	5	0.44
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	19	0.44
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	19	0.44
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	19	0.44
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	17	0.43
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	17	0.43
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	16	0.43
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	16	0.43
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	16	0.43
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	18	0.43
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	18	0.43
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	18	0.43
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	1	0.43
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	1	0.43
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	1	0.43
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	3	0.43
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	3	0.43
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	3	0.43
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	4	0.43
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	4	0.43
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	4	0.43
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	7	0.43
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	7	0.43
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	7	0.43
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	8	0.43
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	8	0.43
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	8	0.43
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	10	0.43
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	10	0.43
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	10	0.43
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	15	0.43
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	15	0.43
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	15	0.43
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	17	0.43
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	17	0.43
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	17	0.43
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	2	0.43
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	2	0.43
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	2	0.43
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	2	0.43
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	2	0.43
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	2	0.43
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	8	0.43
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	8	0.43
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	8	0.43
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	12	0.43
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	12	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	12	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	12	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	12	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	12	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	12	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	12	0.43
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	16	0.43
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	16	0.43
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	16	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	16	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	16	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	16	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	16	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	16	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	16	0.43
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	17	0.43
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	17	0.43
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	17	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	17	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	17	0.43
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	17	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	17	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	17	0.43
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	17	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	2	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	2	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	2	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	4	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	4	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	4	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	7	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	7	0.43
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	7	0.43
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	8	0.43
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	8	0.43
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	8	0.43
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	8	0.43
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	8	0.43
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	8	0.43
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB2	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2182)	1:89:A:VAL:HG21	1:107:A:PHE:HB3	10	0.43
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB2	10	0.43
(1,2182)	1:89:A:VAL:HG22	1:107:A:PHE:HB3	10	0.43
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB2	10	0.43
(1,2182)	1:89:A:VAL:HG23	1:107:A:PHE:HB3	10	0.43
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	7	0.43
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	7	0.43
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	7	0.43
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	7	0.43
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	7	0.43
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	7	0.43
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	7	0.43
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	7	0.43
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	7	0.43
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	7	0.43
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	7	0.43
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	7	0.43
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	10	0.43
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	10	0.43
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	10	0.43
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	1	0.43
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	1	0.43
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	1	0.43
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	1	0.43
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	1	0.43
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	1	0.43
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	1	0.43
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	1	0.43
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	1	0.43
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	8	0.43
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	8	0.43
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	8	0.43
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	8	0.43
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	8	0.43
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	8	0.43
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	8	0.43
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	8	0.43
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	8	0.43
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	8	0.43
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	8	0.43
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	8	0.43
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	3	0.43
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	3	0.43
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	8	0.43
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	8	0.43
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	8	0.43
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	17	0.43
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	17	0.43
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	17	0.43
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	2	0.43
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	2	0.43
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	2	0.43
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	10	0.43
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	10	0.43
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	10	0.43
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	15	0.43
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	15	0.43
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	15	0.43
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	8	0.43
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	8	0.43
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	8	0.43
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	8	0.43
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	8	0.43
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	8	0.43
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	1	0.43
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	1	0.43
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	1	0.43
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	1	0.43
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	1	0.43
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	1	0.43
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	1	0.43
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	1	0.43
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	1	0.43
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	8	0.43
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	8	0.43
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	8	0.43
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	8	0.43
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	8	0.43
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	8	0.43
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	2	0.43
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	2	0.43
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	2	0.43
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	2	0.43
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	2	0.43
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	2	0.43
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	2	0.43
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	2	0.43
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	2	0.43
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	2	0.43
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	2	0.43
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	17	0.43
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	17	0.43
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	17	0.43
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	5	0.43
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	5	0.43
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	5	0.43
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	9	0.43
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	9	0.43
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	9	0.43
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	9	0.43
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	9	0.43
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	9	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	3	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	3	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	3	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	8	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	8	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	8	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	17	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	17	0.43
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	17	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	2	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	2	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	2	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	10	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	10	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	10	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	15	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	15	0.43
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	15	0.43
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	2	0.43
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	2	0.43
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	2	0.43
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	16	0.43
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	16	0.43
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	18	0.43
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	18	0.43
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	18	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	1	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	1	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	1	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	7	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	7	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	7	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	8	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	8	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	8	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	18	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	18	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	18	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	20	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	20	0.43
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	20	0.43
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	4	0.43
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	4	0.43
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	4	0.43
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	11	0.43
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	11	0.43
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	11	0.43
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	9	0.43
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	9	0.43
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	9	0.43
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	7	0.42
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	7	0.42
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	7	0.42
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	10	0.42
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	10	0.42
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	10	0.42
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	5	0.42
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	5	0.42
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	5	0.42
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	9	0.42
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	9	0.42
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	9	0.42
(1,3125)	1:71:A:LEU:HD21	1:71:A:LEU:HA	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3125)	1:71:A:LEU:HD22	1:71:A:LEU:HA	17	0.42
(1,3125)	1:71:A:LEU:HD23	1:71:A:LEU:HA	17	0.42
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	7	0.42
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	7	0.42
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	7	0.42
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	1	0.42
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	1	0.42
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	1	0.42
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	1	0.42
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	1	0.42
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	1	0.42
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	14	0.42
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	14	0.42
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	14	0.42
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	16	0.42
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	16	0.42
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	16	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	4	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	4	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	4	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	4	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	4	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	4	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	4	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	4	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	4	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	6	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	6	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	6	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	6	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	6	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	6	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	6	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	6	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	6	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	10	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	10	0.42
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	10	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	10	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	10	0.42
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	10	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	10	0.42
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	10	0.42
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	13	0.42
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	13	0.42
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	13	0.42
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	13	0.42
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	13	0.42
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	13	0.42
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	13	0.42
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	13	0.42
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	13	0.42
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	18	0.42
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	18	0.42
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	18	0.42
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	18	0.42
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	18	0.42
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	18	0.42
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	18	0.42
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	18	0.42
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	18	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	12	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	12	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	12	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	12	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	12	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	12	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	12	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	12	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	12	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	12	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	12	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	12	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	13	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	13	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	13	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	13	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	13	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	13	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	13	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	13	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	13	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	13	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	13	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	14	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	14	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	14	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	14	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	14	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	14	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	14	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	14	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	14	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	14	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	14	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	14	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	16	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	16	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	16	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	16	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	16	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	16	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	16	0.42
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	16	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	16	0.42
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	16	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	16	0.42
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	16	0.42
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	7	0.42
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	7	0.42
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	7	0.42
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	7	0.42
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	7	0.42
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	7	0.42
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	7	0.42
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	7	0.42
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	7	0.42
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	10	0.42
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	10	0.42
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	10	0.42
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	16	0.42
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	16	0.42
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	16	0.42
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	20	0.42
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	20	0.42
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	18	0.42
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	18	0.42
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	18	0.42
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	18	0.42
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	18	0.42
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	18	0.42
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	18	0.42
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	18	0.42
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	18	0.42
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD2	6	0.42
(1,1255)	1:110:A:LEU:HD11	1:76:A:LYS:HD3	6	0.42
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD2	6	0.42
(1,1255)	1:110:A:LEU:HD12	1:76:A:LYS:HD3	6	0.42
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD2	6	0.42
(1,1255)	1:110:A:LEU:HD13	1:76:A:LYS:HD3	6	0.42
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	9	0.42
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	9	0.42
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	9	0.42
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	9	0.42
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	9	0.42
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	9	0.42
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	4	0.42
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	4	0.42
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	4	0.42
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	19	0.42
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	19	0.42
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	19	0.42
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	2	0.42
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	2	0.42
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	2	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	5	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	5	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	5	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	11	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	11	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	11	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	12	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	12	0.42
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	12	0.42
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	1	0.42
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	1	0.42
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	1	0.42
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	1	0.42
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	1	0.42
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	16	0.42
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	16	0.42
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	16	0.42
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	16	0.42
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	16	0.42
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	16	0.42
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	16	0.42
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	16	0.42
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	16	0.42
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	20	0.42
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	20	0.42
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	20	0.42
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	2	0.42
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	2	0.42
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	2	0.42
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	10	0.42
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	10	0.42
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	10	0.42
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	6	0.42
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	6	0.42
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	6	0.42
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	10	0.42
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	10	0.42
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	10	0.42
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	18	0.42
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	18	0.42
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	18	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	1	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	1	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	1	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	5	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	5	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	5	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	10	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	10	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	10	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	12	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	12	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	13	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	13	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	13	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	18	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	18	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	18	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	20	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	20	0.42
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	20	0.42
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	17	0.42
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	17	0.42
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	17	0.42
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	20	0.42
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	20	0.42
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	20	0.42
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	10	0.42
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	10	0.42
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	10	0.42
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	12	0.42
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	12	0.42
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	12	0.42
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	14	0.41
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	14	0.41
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	14	0.41
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	3	0.41
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	3	0.41
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	3	0.41
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	7	0.41
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	7	0.41
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	7	0.41
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	13	0.41
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	13	0.41
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	13	0.41
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	14	0.41
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	14	0.41
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	14	0.41
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	14	0.41
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	14	0.41
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	14	0.41
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	7	0.41
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	7	0.41
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	7	0.41
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	7	0.41
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	7	0.41
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	14	0.41
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	14	0.41
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	14	0.41
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	3	0.41
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	3	0.41
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	3	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	5	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	5	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	5	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	5	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	5	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	5	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	5	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	5	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	5	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	11	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	11	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	11	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	11	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	11	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	11	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	11	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	11	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	11	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	13	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	13	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	13	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	13	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	13	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	13	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	13	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	13	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	13	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	15	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	15	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	15	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	15	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	15	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	15	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	15	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	15	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	20	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	20	0.41
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	20	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	20	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	20	0.41
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	20	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	20	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	20	0.41
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	20	0.41
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	8	0.41
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	8	0.41
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	8	0.41
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	8	0.41
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	8	0.41
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	8	0.41
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	8	0.41
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	8	0.41
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	8	0.41
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	8	0.41
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	8	0.41
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	8	0.41
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	18	0.41
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	18	0.41
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	18	0.41
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	18	0.41
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	18	0.41
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	18	0.41
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	18	0.41
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	18	0.41
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	18	0.41
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	18	0.41
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	18	0.41
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	18	0.41
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	11	0.41
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	11	0.41
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	11	0.41
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	17	0.41
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	17	0.41
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	17	0.41
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	17	0.41
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	17	0.41
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	18	0.41
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	18	0.41
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	18	0.41
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	1	0.41
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	1	0.41
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	1	0.41
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	6	0.41
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	6	0.41
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	6	0.41
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	9	0.41
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	9	0.41
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	9	0.41
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	10	0.41
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	10	0.41
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	10	0.41
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	11	0.41
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	11	0.41
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	11	0.41
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	13	0.41
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	13	0.41
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	13	0.41
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	11	0.41
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	11	0.41
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	11	0.41
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	14	0.41
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	14	0.41
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	14	0.41
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	17	0.41
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	17	0.41
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	17	0.41
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	17	0.41
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	17	0.41
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	17	0.41
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	17	0.41
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	17	0.41
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	17	0.41
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	17	0.41
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	17	0.41
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	20	0.41
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	20	0.41
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	20	0.41
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	20	0.41
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	20	0.41
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	20	0.41
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	20	0.41
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	20	0.41
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	20	0.41
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	3	0.41
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	3	0.41
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	3	0.41
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	3	0.41
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	3	0.41
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	3	0.41
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	19	0.41
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	19	0.41
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	19	0.41
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	19	0.41
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	19	0.41
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	19	0.41
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	19	0.41
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	19	0.41
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	19	0.41
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	19	0.41
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	19	0.41
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	19	0.41
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	11	0.41
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	11	0.41
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	11	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	11	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	11	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	11	0.41
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	20	0.41
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	20	0.41
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	20	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	20	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	20	0.41
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	20	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	1	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	1	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	6	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	6	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	6	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	9	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	9	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	9	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	10	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	10	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	10	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	11	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	11	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	11	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	13	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	13	0.41
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	13	0.41
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG11	5	0.41
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG12	5	0.41
(1,962)	1:35:A:VAL:HA	1:35:A:VAL:HG13	5	0.41
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	11	0.41
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	11	0.41
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	11	0.41
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	14	0.41
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	14	0.41
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	14	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	3	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	3	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	3	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	7	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	7	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	7	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	13	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	13	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	13	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	14	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	14	0.41
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	14	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	3	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	3	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	3	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	5	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	5	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	12	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	12	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	12	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	13	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	13	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	13	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	16	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	16	0.41
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	16	0.41
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	7	0.41
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	7	0.41
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	7	0.41
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	16	0.41
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	16	0.41
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	16	0.41
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	2	0.41
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	2	0.41
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	2	0.41
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD11	14	0.41
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD12	14	0.41
(1,557)	1:71:A:LEU:H	1:71:A:LEU:HD13	14	0.41
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	8	0.41
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	8	0.41
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	8	0.41
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	1	0.41
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	1	0.41
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	1	0.41
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	15	0.41
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	15	0.41
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	15	0.41
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	4	0.4
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	4	0.4
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	4	0.4
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	6	0.4
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	6	0.4
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	6	0.4
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	12	0.4
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	12	0.4
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	12	0.4
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	17	0.4
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	17	0.4
(1,3706)	1:89:A:VAL:HG11	1:89:A:VAL:H	20	0.4
(1,3706)	1:89:A:VAL:HG12	1:89:A:VAL:H	20	0.4
(1,3706)	1:89:A:VAL:HG13	1:89:A:VAL:H	20	0.4
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	17	0.4
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	17	0.4
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	17	0.4
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	17	0.4
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	17	0.4
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	17	0.4
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	18	0.4
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	18	0.4
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	18	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	2	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	2	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	2	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	2	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	2	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	2	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	2	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	2	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	2	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	9	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	9	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	9	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	9	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	9	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	9	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	9	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	9	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	9	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	18	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	18	0.4
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	18	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	18	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	18	0.4
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	18	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	18	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	18	0.4
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	18	0.4
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	14	0.4
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	14	0.4
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD21	7	0.4
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD22	7	0.4
(1,2372)	1:93:A:GLY:HA2	1:92:A:LEU:HD23	7	0.4
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD21	7	0.4
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD22	7	0.4
(1,2372)	1:93:A:GLY:HA3	1:92:A:LEU:HD23	7	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	3	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	3	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	3	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	3	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	3	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	3	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	3	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	3	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	3	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	3	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	3	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	3	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	5	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	5	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	5	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	5	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	5	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	5	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	5	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	5	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	5	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	5	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	5	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	5	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	11	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	11	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	11	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	11	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	11	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	11	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	11	0.4
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	11	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	11	0.4
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	11	0.4
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	11	0.4
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	5	0.4
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	5	0.4
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	5	0.4
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	11	0.4
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	11	0.4
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	11	0.4
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	19	0.4
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	19	0.4
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	19	0.4
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	13	0.4
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	13	0.4
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	13	0.4
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	13	0.4
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	13	0.4
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	13	0.4
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	13	0.4
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	13	0.4
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	13	0.4
(1,2020)	1:90:A:ILE:HG21	1:92:A:LEU:HD21	7	0.4
(1,2020)	1:90:A:ILE:HG21	1:92:A:LEU:HD22	7	0.4
(1,2020)	1:90:A:ILE:HG21	1:92:A:LEU:HD23	7	0.4
(1,2020)	1:90:A:ILE:HG22	1:92:A:LEU:HD21	7	0.4
(1,2020)	1:90:A:ILE:HG22	1:92:A:LEU:HD22	7	0.4
(1,2020)	1:90:A:ILE:HG22	1:92:A:LEU:HD23	7	0.4
(1,2020)	1:90:A:ILE:HG23	1:92:A:LEU:HD21	7	0.4
(1,2020)	1:90:A:ILE:HG23	1:92:A:LEU:HD22	7	0.4
(1,2020)	1:90:A:ILE:HG23	1:92:A:LEU:HD23	7	0.4
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	18	0.4
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	18	0.4
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	18	0.4
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	18	0.4
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	18	0.4
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	18	0.4
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	18	0.4
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	18	0.4
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	18	0.4
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	1	0.4
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	1	0.4
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	1	0.4
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	1	0.4
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	1	0.4
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	6	0.4
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	6	0.4
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	6	0.4
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	6	0.4
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	6	0.4
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	6	0.4
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	9	0.4
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	9	0.4
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	9	0.4
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	9	0.4
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	9	0.4
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	9	0.4
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	8	0.4
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	8	0.4
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	8	0.4
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	19	0.4
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	19	0.4
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	19	0.4
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	1	0.4
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	1	0.4
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	1	0.4
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	1	0.4
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	1	0.4
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	1	0.4
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	18	0.4
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	18	0.4
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	18	0.4
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	18	0.4
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	18	0.4
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	18	0.4
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	18	0.4
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	18	0.4
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	18	0.4
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	1	0.4
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	1	0.4
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	1	0.4
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	1	0.4
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	1	0.4
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	1	0.4
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	11	0.4
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	11	0.4
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	11	0.4
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	11	0.4
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	11	0.4
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	12	0.4
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	12	0.4
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	12	0.4
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	12	0.4
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	12	0.4
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	12	0.4
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	8	0.4
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	8	0.4
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	8	0.4
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	19	0.4
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	19	0.4
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	19	0.4
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	6	0.4
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	6	0.4
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	6	0.4
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	6	0.4
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	6	0.4
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	6	0.4
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	19	0.4
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	19	0.4
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	19	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	4	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	4	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	4	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	6	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	6	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	6	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	12	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	12	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	12	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	17	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	17	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	17	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG11	20	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG12	20	0.4
(1,617)	1:89:A:VAL:H	1:89:A:VAL:HG13	20	0.4
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	4	0.4
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	4	0.4
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	14	0.4
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	14	0.4
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	14	0.4
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	3	0.4
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	3	0.4
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	3	0.4
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	4	0.4
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	4	0.4
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	4	0.4
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	16	0.4
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	16	0.4
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	16	0.4
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	11	0.39
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	11	0.39
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	11	0.39
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	11	0.39
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	11	0.39
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	11	0.39
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	9	0.39
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	9	0.39
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	9	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	7	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	7	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	7	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	9	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	9	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	9	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	12	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	12	0.39
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	12	0.39
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	8	0.39
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	8	0.39
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	8	0.39
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	13	0.39
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	13	0.39
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	13	0.39
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	13	0.39
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	13	0.39
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	13	0.39
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	13	0.39
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	13	0.39
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	13	0.39
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	13	0.39
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	13	0.39
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	19	0.39
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	19	0.39
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	19	0.39
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	19	0.39
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	19	0.39
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	19	0.39
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	19	0.39
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	19	0.39
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	19	0.39
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	19	0.39
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	19	0.39
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	19	0.39
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	20	0.39
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	20	0.39
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	20	0.39
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	20	0.39
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	20	0.39
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	20	0.39
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	20	0.39
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	20	0.39
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	20	0.39
(1,1956)	1:148:A:LEU:HD11	1:119:A:VAL:HB	15	0.39
(1,1956)	1:148:A:LEU:HD12	1:119:A:VAL:HB	15	0.39
(1,1956)	1:148:A:LEU:HD13	1:119:A:VAL:HB	15	0.39
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	5	0.39
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	5	0.39
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	5	0.39
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	5	0.39
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	5	0.39
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	5	0.39
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	5	0.39
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	5	0.39
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	5	0.39
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	12	0.39
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	12	0.39
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	12	0.39
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	14	0.39
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	14	0.39
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	15	0.39
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	15	0.39
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	15	0.39
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	15	0.39
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	15	0.39
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	15	0.39
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	15	0.39
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	15	0.39
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	15	0.39
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	5	0.39
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	5	0.39
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	5	0.39
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	5	0.39
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	5	0.39
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	5	0.39
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	5	0.39
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	5	0.39
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	5	0.39
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	8	0.39
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	8	0.39
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	8	0.39
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	8	0.39
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	8	0.39
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	8	0.39
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	8	0.39
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	8	0.39
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	8	0.39
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	19	0.39
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	19	0.39
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	19	0.39
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	19	0.39
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	19	0.39
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	19	0.39
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	14	0.39
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	14	0.39
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	14	0.39
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	14	0.39
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	14	0.39
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	14	0.39
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	14	0.39
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	14	0.39
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	14	0.39
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	14	0.39
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	14	0.39
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	16	0.39
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	16	0.39
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	16	0.39
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	16	0.39
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	16	0.39
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	16	0.39
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	4	0.39
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	4	0.39
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	4	0.39
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	3	0.39
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	3	0.39
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	3	0.39
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	3	0.39
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	3	0.39
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	3	0.39
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	8	0.39
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	8	0.39
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	8	0.39
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	8	0.39
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	8	0.39
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	8	0.39
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	12	0.39
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	12	0.39
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	12	0.39
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	14	0.39
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	14	0.39
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	14	0.39
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	7	0.39
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	7	0.39
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	7	0.39
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	7	0.39
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	7	0.39
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	7	0.39
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	15	0.39
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	15	0.39
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	15	0.39
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	15	0.39
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	15	0.39
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	2	0.39
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	2	0.39
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	2	0.39
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	5	0.39
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	5	0.39
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	5	0.39
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	1	0.39
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	1	0.39
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	1	0.39
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	15	0.39
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	15	0.39
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	15	0.39
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG11	19	0.39
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG12	19	0.39
(1,599)	1:55:A:VAL:H	1:55:A:VAL:HG13	19	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	4	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	4	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	4	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	5	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	5	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	5	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	6	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	6	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	6	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	17	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	17	0.39
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	17	0.39
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	7	0.39
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	7	0.39
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	7	0.39
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD11	2	0.39
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD12	2	0.39
(1,525)	1:124:A:LEU:H	1:124:A:LEU:HD13	2	0.39
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	4	0.39
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	4	0.39
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	4	0.39
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	19	0.39
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	19	0.39
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	19	0.39
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	8	0.39
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	8	0.39
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	18	0.39
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	18	0.39
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	18	0.39
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	1	0.38
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	1	0.38
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	1	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	1	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	1	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	1	0.38
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	13	0.38
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	13	0.38
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	13	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	13	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	13	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	13	0.38
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	14	0.38
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	14	0.38
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	14	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	14	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	14	0.38
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	14	0.38
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	4	0.38
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	4	0.38
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	4	0.38
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	1	0.38
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	1	0.38
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	1	0.38
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	13	0.38
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	13	0.38
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	13	0.38
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	6	0.38
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	6	0.38
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	6	0.38
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	6	0.38
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	6	0.38
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	6	0.38
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	18	0.38
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	18	0.38
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	18	0.38
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	18	0.38
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	18	0.38
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	11	0.38
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	11	0.38
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	11	0.38
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	11	0.38
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	11	0.38
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	11	0.38
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	15	0.38
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	15	0.38
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	15	0.38
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	15	0.38
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	15	0.38
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	15	0.38
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	15	0.38
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	15	0.38
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	15	0.38
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	15	0.38
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	15	0.38
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	15	0.38
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	9	0.38
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	9	0.38
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	9	0.38
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	9	0.38
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	9	0.38
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	9	0.38
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	9	0.38
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	9	0.38
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	9	0.38
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	9	0.38
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	9	0.38
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	9	0.38
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	6	0.38
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	6	0.38
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	6	0.38
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	6	0.38
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	6	0.38
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	6	0.38
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	6	0.38
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	6	0.38
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	6	0.38
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	16	0.38
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	16	0.38
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	20	0.38
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	20	0.38
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	20	0.38
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	7	0.38
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	7	0.38
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	7	0.38
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	15	0.38
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	15	0.38
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	15	0.38
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	18	0.38
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	18	0.38
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	18	0.38
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	1	0.38
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	1	0.38
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	1	0.38
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	4	0.38
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	4	0.38
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	4	0.38
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	13	0.38
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	13	0.38
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	13	0.38
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	13	0.38
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	13	0.38
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	13	0.38
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	13	0.38
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	13	0.38
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	13	0.38
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	6	0.38
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	6	0.38
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	6	0.38
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	6	0.38
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	6	0.38
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	6	0.38
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	6	0.38
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	6	0.38
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	6	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	1	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	1	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	1	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	1	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	1	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	1	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	1	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	1	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	2	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	2	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	2	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	2	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	2	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	2	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	2	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	2	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	2	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	6	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	6	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	6	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	6	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	6	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	6	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	6	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	6	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	6	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	9	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	9	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	9	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	9	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	9	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	9	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	9	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	9	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	9	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	10	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	10	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	10	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	10	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	10	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	10	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	10	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	10	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	10	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	15	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	15	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	15	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	15	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	15	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	15	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	15	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	15	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	16	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	16	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	16	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	16	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	16	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	16	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	16	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	16	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	16	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	17	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	17	0.38
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	17	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	17	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	17	0.38
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	17	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	17	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	17	0.38
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	17	0.38
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	1	0.38
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	1	0.38
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	1	0.38
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	1	0.38
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	1	0.38
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	1	0.38
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	7	0.38
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	7	0.38
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	7	0.38
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	7	0.38
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	7	0.38
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	7	0.38
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	11	0.38
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	11	0.38
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	11	0.38
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	11	0.38
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	11	0.38
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	11	0.38
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	11	0.38
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	11	0.38
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	11	0.38
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	11	0.38
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	11	0.38
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	14	0.38
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	14	0.38
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	14	0.38
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	14	0.38
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	14	0.38
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	14	0.38
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	4	0.38
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	4	0.38
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	4	0.38
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	4	0.38
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	4	0.38
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	4	0.38
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	19	0.38
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	19	0.38
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	19	0.38
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	19	0.38
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	19	0.38
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	19	0.38
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	6	0.38
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	6	0.38
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	6	0.38
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	6	0.38
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	6	0.38
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	6	0.38
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	18	0.38
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	18	0.38
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	18	0.38
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	18	0.38
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	18	0.38
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	18	0.38
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	15	0.38
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	15	0.38
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	15	0.38
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	17	0.38
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	17	0.38
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	18	0.38
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	18	0.38
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	18	0.38
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	18	0.38
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	18	0.38
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	18	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	7	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	7	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	7	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	15	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	15	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	15	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	18	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	18	0.38
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	18	0.38
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	1	0.38
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	1	0.38
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	1	0.38
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	4	0.38
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	4	0.38
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	4	0.38
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	1	0.38
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	1	0.38
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	1	0.38
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	1	0.38
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	1	0.38
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	1	0.38
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	10	0.38
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	10	0.38
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	10	0.38
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	10	0.38
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	10	0.38
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	10	0.38
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	4	0.38
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	4	0.38
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	4	0.38
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	1	0.38
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	1	0.38
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	1	0.38
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	8	0.38
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	8	0.38
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	9	0.38
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	9	0.38
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	9	0.38
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	19	0.38
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	19	0.38
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	19	0.38
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	15	0.38
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	15	0.38
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	15	0.38
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	1	0.37
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	1	0.37
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	1	0.37
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	8	0.37
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	8	0.37
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	8	0.37
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	1	0.37
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	1	0.37
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	1	0.37
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	8	0.37
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	8	0.37
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	8	0.37
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	3	0.37
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	3	0.37
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	3	0.37
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	3	0.37
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	3	0.37
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	3	0.37
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	10	0.37
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	10	0.37
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	10	0.37
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	4	0.37
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	4	0.37
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	4	0.37
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	15	0.37
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	15	0.37
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	15	0.37
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	15	0.37
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	15	0.37
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	15	0.37
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	8	0.37
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	8	0.37
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	9	0.37
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	9	0.37
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	9	0.37
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	3	0.37
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	3	0.37
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	3	0.37
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	3	0.37
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	3	0.37
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	3	0.37
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	3	0.37
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	3	0.37
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	3	0.37
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	2	0.37
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	2	0.37
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	2	0.37
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	2	0.37
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	2	0.37
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	2	0.37
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	2	0.37
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	2	0.37
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	2	0.37
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	2	0.37
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	2	0.37
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	2	0.37
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	16	0.37
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	16	0.37
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	16	0.37
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	16	0.37
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	16	0.37
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	16	0.37
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	16	0.37
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	16	0.37
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	16	0.37
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	9	0.37
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	9	0.37
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	9	0.37
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	9	0.37
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	9	0.37
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	9	0.37
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	7	0.37
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	7	0.37
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	8	0.37
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	8	0.37
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	8	0.37
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	9	0.37
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	9	0.37
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	9	0.37
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	9	0.37
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	9	0.37
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	9	0.37
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	16	0.37
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	16	0.37
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	16	0.37
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	16	0.37
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	16	0.37
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	16	0.37
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	16	0.37
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	16	0.37
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	16	0.37
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	9	0.37
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	9	0.37
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	9	0.37
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	9	0.37
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	9	0.37
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	9	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	11	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	11	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	11	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	11	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	11	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	11	0.37
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	11	0.37
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	11	0.37
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	11	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	13	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	13	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	13	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	13	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	13	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	13	0.37
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	13	0.37
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	13	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	14	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	14	0.37
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	14	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	14	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	14	0.37
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	14	0.37
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	14	0.37
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	14	0.37
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	14	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	2	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	2	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	2	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	2	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	2	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	2	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	4	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	4	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	4	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	4	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	4	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	4	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	10	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	10	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	10	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	10	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	10	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	10	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	12	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	12	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	12	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	12	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	12	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	12	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	15	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	15	0.37
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	15	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	15	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	15	0.37
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	15	0.37
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	19	0.37
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	19	0.37
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	19	0.37
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	19	0.37
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	19	0.37
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	19	0.37
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	19	0.37
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	19	0.37
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	19	0.37
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	19	0.37
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	19	0.37
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	15	0.37
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	15	0.37
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	15	0.37
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	15	0.37
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	15	0.37
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	15	0.37
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	15	0.37
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	15	0.37
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	15	0.37
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	15	0.37
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	15	0.37
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	15	0.37
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	8	0.37
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	8	0.37
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	8	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG11	1	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG12	1	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG13	1	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG11	15	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG12	15	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG13	15	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG11	19	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG12	19	0.37
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG13	19	0.37
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	16	0.37
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	16	0.37
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	16	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	4	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	4	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	4	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	4	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	4	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	10	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	10	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	10	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	10	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	10	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	10	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	13	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	13	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	13	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	13	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	13	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	13	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	19	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	19	0.37
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	19	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	19	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	19	0.37
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	19	0.37
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	9	0.37
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	9	0.37
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	9	0.37
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	9	0.37
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	9	0.37
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	9	0.37
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	17	0.37
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	17	0.37
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	17	0.37
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	17	0.37
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	17	0.37
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	17	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	10	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	10	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	10	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	11	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	11	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	11	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	15	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	15	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	15	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	20	0.37
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	20	0.37
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	5	0.37
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	5	0.37
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	5	0.37
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	16	0.37
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	16	0.37
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	16	0.37
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	2	0.37
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	2	0.37
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	2	0.37
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	14	0.37
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	14	0.37
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	14	0.37
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	11	0.36
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	11	0.36
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	11	0.36
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	12	0.36
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	12	0.36
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	12	0.36
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	13	0.36
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	13	0.36
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	13	0.36
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	11	0.36
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	11	0.36
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	11	0.36
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	12	0.36
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	12	0.36
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	12	0.36
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	7	0.36
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	7	0.36
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	7	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	7	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	7	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	7	0.36
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	9	0.36
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	9	0.36
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	9	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	9	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	9	0.36
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	9	0.36
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	1	0.36
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	1	0.36
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	1	0.36
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	1	0.36
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	1	0.36
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	7	0.36
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	7	0.36
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	7	0.36
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	7	0.36
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	7	0.36
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	7	0.36
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	7	0.36
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	7	0.36
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	7	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	10	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	10	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	10	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	11	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	11	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	11	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	16	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	16	0.36
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	16	0.36
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	20	0.36
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	20	0.36
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	20	0.36
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	20	0.36
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	20	0.36
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	20	0.36
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	20	0.36
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	20	0.36
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	20	0.36
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	20	0.36
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	20	0.36
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	20	0.36
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	10	0.36
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	10	0.36
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	10	0.36
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	10	0.36
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	10	0.36
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	10	0.36
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	10	0.36
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	10	0.36
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	10	0.36
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	10	0.36
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	10	0.36
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	14	0.36
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	14	0.36
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	14	0.36
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	14	0.36
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	14	0.36
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	14	0.36
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	14	0.36
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	14	0.36
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	14	0.36
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	14	0.36
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	14	0.36
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	14	0.36
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	1	0.36
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	1	0.36
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	1	0.36
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	1	0.36
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	1	0.36
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	1	0.36
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	1	0.36
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	1	0.36
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	1	0.36
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	4	0.36
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	4	0.36
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	4	0.36
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	4	0.36
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	4	0.36
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	4	0.36
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	4	0.36
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	4	0.36
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	4	0.36
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	4	0.36
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	4	0.36
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	4	0.36
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	4	0.36
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	4	0.36
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	4	0.36
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	4	0.36
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	4	0.36
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	4	0.36
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	4	0.36
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	4	0.36
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	11	0.36
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	11	0.36
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	11	0.36
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	14	0.36
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	14	0.36
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	14	0.36
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	16	0.36
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	16	0.36
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	16	0.36
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	9	0.36
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	9	0.36
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	9	0.36
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	9	0.36
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	9	0.36
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	9	0.36
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	9	0.36
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	9	0.36
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	9	0.36
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	3	0.36
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	3	0.36
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	3	0.36
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	3	0.36
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	3	0.36
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	3	0.36
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	3	0.36
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	3	0.36
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	3	0.36
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	4	0.36
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	4	0.36
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	4	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	4	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	4	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	4	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	4	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	4	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	4	0.36
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	7	0.36
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	7	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	7	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	7	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	7	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	7	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	7	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	7	0.36
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	18	0.36
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	18	0.36
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	18	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	18	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	18	0.36
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	18	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	18	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	18	0.36
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	18	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	3	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	3	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	3	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	3	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	3	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	3	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	8	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	8	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	8	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	8	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	8	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	8	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	9	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	9	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	9	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	9	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	9	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	9	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	11	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	11	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	11	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	11	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	11	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	11	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	13	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	13	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	13	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	13	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	13	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	16	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	16	0.36
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	16	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	16	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	16	0.36
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	16	0.36
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	1	0.36
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	1	0.36
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	1	0.36
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	1	0.36
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	1	0.36
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	1	0.36
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	15	0.36
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	15	0.36
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	15	0.36
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	15	0.36
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	15	0.36
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	15	0.36
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	10	0.36
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	10	0.36
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	10	0.36
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	10	0.36
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	10	0.36
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	10	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG11	2	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG12	2	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG13	2	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG11	5	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG12	5	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG13	5	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG11	11	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG12	11	0.36
(1,1007)	1:89:A:VAL:HA	1:89:A:VAL:HG13	11	0.36
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	14	0.36
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	14	0.36
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	14	0.36
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD11	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD12	2	0.36
(1,985)	1:78:A:SER:HB2	1:79:A:LEU:HD13	2	0.36
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD11	2	0.36
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD12	2	0.36
(1,985)	1:78:A:SER:HB3	1:79:A:LEU:HD13	2	0.36
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	16	0.36
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	16	0.36
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	16	0.36
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	16	0.36
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	16	0.36
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	16	0.36
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	16	0.36
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	16	0.36
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	16	0.36
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	18	0.36
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	18	0.36
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	18	0.36
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	8	0.36
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	8	0.36
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	8	0.36
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	2	0.36
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	2	0.36
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	2	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	1	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	1	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	1	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	3	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	3	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	3	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	4	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	4	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	4	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	9	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	9	0.36
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	9	0.36
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	2	0.36
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	2	0.36
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	2	0.36
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	20	0.36
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	20	0.36
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	20	0.36
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	6	0.36
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	6	0.36
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	3	0.36
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	3	0.36
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	3	0.36
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	6	0.36
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	6	0.36
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	6	0.36
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	11	0.36
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	11	0.36
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	11	0.36
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	11	0.36
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	11	0.36
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	11	0.36
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	5	0.35
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	5	0.35
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	5	0.35
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	14	0.35
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	14	0.35
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	14	0.35
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	17	0.35
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	17	0.35
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	17	0.35
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	6	0.35
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	6	0.35
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	6	0.35
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	6	0.35
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	6	0.35
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	6	0.35
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	8	0.35
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	8	0.35
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	8	0.35
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	8	0.35
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	8	0.35
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	8	0.35
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	1	0.35
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	1	0.35
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	1	0.35
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	13	0.35
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	13	0.35
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	13	0.35
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	15	0.35
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	15	0.35
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	17	0.35
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	17	0.35
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	17	0.35
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	20	0.35
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	20	0.35
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	20	0.35
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	10	0.35
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	10	0.35
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	10	0.35
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	10	0.35
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	10	0.35
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	10	0.35
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	10	0.35
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	10	0.35
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	10	0.35
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	10	0.35
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	10	0.35
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	10	0.35
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	12	0.35
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	12	0.35
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	12	0.35
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	4	0.35
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	4	0.35
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	4	0.35
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	20	0.35
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	20	0.35
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	20	0.35
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	19	0.35
(1,1912)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	19	0.35
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	19	0.35
(1,1912)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	19	0.35
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	19	0.35
(1,1912)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	19	0.35
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	1	0.35
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	1	0.35
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	1	0.35
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	2	0.35
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	2	0.35
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	2	0.35
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	6	0.35
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	6	0.35
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	9	0.35
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	9	0.35
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	9	0.35
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	12	0.35
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	12	0.35
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	12	0.35
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	15	0.35
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	15	0.35
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	15	0.35
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	17	0.35
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	17	0.35
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	17	0.35
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	7	0.35
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	7	0.35
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	7	0.35
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD21	19	0.35
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD22	19	0.35
(1,1371)	1:90:A:ILE:HG12	1:53:A:LEU:HD23	19	0.35
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD21	19	0.35
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD22	19	0.35
(1,1371)	1:90:A:ILE:HG13	1:53:A:LEU:HD23	19	0.35
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG12	19	0.35
(1,1362)	1:53:A:LEU:HD21	1:90:A:ILE:HG13	19	0.35
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG12	19	0.35
(1,1362)	1:53:A:LEU:HD22	1:90:A:ILE:HG13	19	0.35
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG12	19	0.35
(1,1362)	1:53:A:LEU:HD23	1:90:A:ILE:HG13	19	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	5	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	5	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	5	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	5	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	5	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	5	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	6	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	6	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	6	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	6	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	6	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	6	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	14	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	14	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	14	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	14	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	14	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	17	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	17	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	17	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	17	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	17	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	17	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	18	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	18	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	18	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	18	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	18	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	18	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD11	20	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD12	20	0.35
(1,1296)	1:76:A:LYS:HG2	1:110:A:LEU:HD13	20	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD11	20	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD12	20	0.35
(1,1296)	1:76:A:LYS:HG3	1:110:A:LEU:HD13	20	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	14	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	14	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	14	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	14	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	14	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	14	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	14	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	14	0.35
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	14	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	14	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	14	0.35
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	14	0.35
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	6	0.35
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	6	0.35
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	6	0.35
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	6	0.35
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	6	0.35
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	6	0.35
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	16	0.35
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	16	0.35
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	16	0.35
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	16	0.35
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	16	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	5	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	5	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	5	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	5	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	5	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	5	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	5	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	5	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	5	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	5	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	5	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	5	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	11	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	11	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	11	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	11	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	11	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	11	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	11	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	11	0.35
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	11	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	11	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	11	0.35
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	11	0.35
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	13	0.35
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	13	0.35
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	13	0.35
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	7	0.35
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	7	0.35
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	7	0.35
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	18	0.35
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	18	0.35
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	18	0.35
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	18	0.35
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	18	0.35
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	18	0.35
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	19	0.35
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	19	0.35
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	11	0.35
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	11	0.35
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	11	0.35
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	15	0.35
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	15	0.35
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	15	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	1	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	1	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	1	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	11	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	11	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	11	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	17	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	17	0.35
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	17	0.35
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	12	0.35
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	12	0.35
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	12	0.35
(1,3885)	1:85:A:LEU:HD21	1:117:A:GLN:H	11	0.34
(1,3885)	1:85:A:LEU:HD22	1:117:A:GLN:H	11	0.34
(1,3885)	1:85:A:LEU:HD23	1:117:A:GLN:H	11	0.34
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	1	0.34
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	1	0.34
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	1	0.34
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	2	0.34
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	2	0.34
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	2	0.34
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	3	0.34
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	3	0.34
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	3	0.34
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	9	0.34
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	9	0.34
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	9	0.34
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	12	0.34
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	12	0.34
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	12	0.34
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	15	0.34
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	15	0.34
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	15	0.34
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	1	0.34
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	1	0.34
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	16	0.34
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	16	0.34
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	16	0.34
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	12	0.34
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	12	0.34
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	12	0.34
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	12	0.34
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	12	0.34
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	12	0.34
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	16	0.34
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	16	0.34
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	16	0.34
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	6	0.34
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	6	0.34
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	6	0.34
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	4	0.34
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	4	0.34
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	4	0.34
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	4	0.34
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	4	0.34
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	4	0.34
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	17	0.34
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	17	0.34
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	17	0.34
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	17	0.34
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	17	0.34
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	17	0.34
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	17	0.34
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	17	0.34
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	17	0.34
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	17	0.34
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	17	0.34
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	17	0.34
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	19	0.34
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	19	0.34
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	19	0.34
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	19	0.34
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	19	0.34
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	19	0.34
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	19	0.34
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	19	0.34
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	19	0.34
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	19	0.34
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	19	0.34
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	6	0.34
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	6	0.34
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	6	0.34
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	15	0.34
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	15	0.34
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	15	0.34
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	6	0.34
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	6	0.34
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	6	0.34
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	6	0.34
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	6	0.34
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	6	0.34
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	6	0.34
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	6	0.34
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	6	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	2	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	2	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	2	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	2	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	2	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	2	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	2	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	2	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	2	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	9	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	9	0.34
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	9	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	9	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	9	0.34
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	9	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	9	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	9	0.34
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	9	0.34
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	3	0.34
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	3	0.34
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	3	0.34
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	5	0.34
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	5	0.34
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	13	0.34
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	13	0.34
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	13	0.34
(1,1496)	1:26:A:LEU:HD11	1:26:A:LEU:HA	19	0.34
(1,1496)	1:26:A:LEU:HD12	1:26:A:LEU:HA	19	0.34
(1,1496)	1:26:A:LEU:HD13	1:26:A:LEU:HA	19	0.34
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	2	0.34
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	2	0.34
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	2	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	2	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	2	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	2	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	2	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	2	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	2	0.34
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	9	0.34
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	9	0.34
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	9	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	9	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	9	0.34
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	9	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	9	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	9	0.34
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	9	0.34
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	20	0.34
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	20	0.34
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	20	0.34
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	20	0.34
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	20	0.34
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	20	0.34
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	20	0.34
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	20	0.34
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	20	0.34
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG21	7	0.34
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG22	7	0.34
(1,1318)	1:56:A:THR:HG21	1:55:A:VAL:HG23	7	0.34
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG21	7	0.34
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG22	7	0.34
(1,1318)	1:56:A:THR:HG22	1:55:A:VAL:HG23	7	0.34
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG21	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG22	7	0.34
(1,1318)	1:56:A:THR:HG23	1:55:A:VAL:HG23	7	0.34
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	12	0.34
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	12	0.34
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	12	0.34
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	12	0.34
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	12	0.34
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	12	0.34
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	12	0.34
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	12	0.34
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	12	0.34
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	16	0.34
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	16	0.34
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	16	0.34
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	16	0.34
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	16	0.34
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	16	0.34
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	16	0.34
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	16	0.34
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	16	0.34
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	16	0.34
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	16	0.34
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	16	0.34
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	14	0.34
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	14	0.34
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	14	0.34
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	14	0.34
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	14	0.34
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	14	0.34
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	4	0.34
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	4	0.34
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	4	0.34
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	4	0.34
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	4	0.34
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	4	0.34
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	2	0.34
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	2	0.34
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	2	0.34
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	18	0.34
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	18	0.34
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	18	0.34
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD11	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD12	19	0.34
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HD13	19	0.34
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	12	0.34
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	12	0.34
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	12	0.34
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	12	0.34
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	12	0.34
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	12	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	6	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	6	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	6	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	9	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	9	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	9	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	15	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	15	0.34
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	15	0.34
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	9	0.34
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	9	0.34
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	9	0.34
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD11	19	0.34
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD12	19	0.34
(1,589)	1:111:A:LEU:H	1:111:A:LEU:HD13	19	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	8	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	8	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	8	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	13	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	13	0.34
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	13	0.34
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	5	0.34
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	5	0.34
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	5	0.34
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	19	0.34
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	19	0.34
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	19	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	9	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	9	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	9	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	10	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	10	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	10	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	14	0.34
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	14	0.34
(1,27)	1:141:A:VAL:HG11	1:140:A:TRP:HE3	7	0.34
(1,27)	1:141:A:VAL:HG12	1:140:A:TRP:HE3	7	0.34
(1,27)	1:141:A:VAL:HG13	1:140:A:TRP:HE3	7	0.34
(1,3737)	1:92:A:LEU:HD11	1:93:A:GLY:H	7	0.33
(1,3737)	1:92:A:LEU:HD12	1:93:A:GLY:H	7	0.33
(1,3737)	1:92:A:LEU:HD13	1:93:A:GLY:H	7	0.33
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	7	0.33
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	7	0.33
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	7	0.33
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	8	0.33
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	8	0.33
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	8	0.33
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	16	0.33
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	16	0.33
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	16	0.33
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	19	0.33
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	19	0.33
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	19	0.33
(1,3155)	1:72:A:PHE:HD1	1:64:A:LEU:HD21	17	0.33
(1,3155)	1:72:A:PHE:HD1	1:64:A:LEU:HD22	17	0.33
(1,3155)	1:72:A:PHE:HD1	1:64:A:LEU:HD23	17	0.33
(1,3155)	1:72:A:PHE:HD2	1:64:A:LEU:HD21	17	0.33
(1,3155)	1:72:A:PHE:HD2	1:64:A:LEU:HD22	17	0.33
(1,3155)	1:72:A:PHE:HD2	1:64:A:LEU:HD23	17	0.33
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	8	0.33
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	8	0.33
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	8	0.33
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	15	0.33
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	15	0.33
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	15	0.33
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	20	0.33
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	20	0.33
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	20	0.33
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	20	0.33
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	20	0.33
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	20	0.33
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	20	0.33
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	20	0.33
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	20	0.33
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	20	0.33
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	20	0.33
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	1	0.33
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	1	0.33
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	1	0.33
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	1	0.33
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	1	0.33
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	1	0.33
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	1	0.33
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	1	0.33
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	1	0.33
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	1	0.33
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	1	0.33
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	1	0.33
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	18	0.33
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	18	0.33
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	18	0.33
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	7	0.33
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	7	0.33
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	7	0.33
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	7	0.33
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	7	0.33
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	7	0.33
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	7	0.33
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	7	0.33
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	7	0.33
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	14	0.33
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	14	0.33
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	14	0.33
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	14	0.33
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	14	0.33
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	14	0.33
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	14	0.33
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	14	0.33
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	14	0.33
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	10	0.33
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	10	0.33
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	10	0.33
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	10	0.33
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	10	0.33
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	10	0.33
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	20	0.33
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	20	0.33
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	20	0.33
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	20	0.33
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	20	0.33
(1,1528)	1:85:A:LEU:HD21	1:85:A:LEU:HA	19	0.33
(1,1528)	1:85:A:LEU:HD22	1:85:A:LEU:HA	19	0.33
(1,1528)	1:85:A:LEU:HD23	1:85:A:LEU:HA	19	0.33
(1,1488)	1:17:A:LEU:HD21	1:17:A:LEU:HA	5	0.33
(1,1488)	1:17:A:LEU:HD22	1:17:A:LEU:HA	5	0.33
(1,1488)	1:17:A:LEU:HD23	1:17:A:LEU:HA	5	0.33
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	7	0.33
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	7	0.33
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	7	0.33
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	7	0.33
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	7	0.33
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	7	0.33
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	7	0.33
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	7	0.33
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	7	0.33
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	14	0.33
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	14	0.33
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	14	0.33
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	14	0.33
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	14	0.33
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	14	0.33
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	14	0.33
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	14	0.33
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	14	0.33
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	3	0.33
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	3	0.33
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	3	0.33
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	3	0.33
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	3	0.33
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	3	0.33
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	3	0.33
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	3	0.33
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	3	0.33
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	5	0.33
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	5	0.33
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	5	0.33
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	5	0.33
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	5	0.33
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	5	0.33
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	5	0.33
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	5	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	4	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	4	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	4	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	4	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	4	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	4	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	4	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	4	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	4	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	4	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	4	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	4	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	10	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	10	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	10	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	10	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	10	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	10	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	10	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	10	0.33
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	10	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	10	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	10	0.33
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	10	0.33
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	12	0.33
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	12	0.33
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	12	0.33
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	12	0.33
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	12	0.33
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	12	0.33
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD21	4	0.33
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD22	4	0.33
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD23	4	0.33
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD21	4	0.33
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD22	4	0.33
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD23	4	0.33
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	9	0.33
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	9	0.33
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD21	5	0.33
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD22	5	0.33
(1,931)	1:17:A:LEU:HA	1:17:A:LEU:HD23	5	0.33
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	2	0.33
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	2	0.33
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	2	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	6	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	6	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	6	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	12	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	12	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	12	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	14	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	14	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	14	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	18	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	18	0.33
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	18	0.33
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	11	0.33
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	11	0.33
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	11	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	8	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	8	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	8	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	16	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	16	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	16	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	20	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	20	0.33
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	20	0.33
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD11	7	0.33
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD12	7	0.33
(1,510)	1:93:A:GLY:H	1:92:A:LEU:HD13	7	0.33
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	10	0.33
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	10	0.33
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	10	0.33
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	2	0.32
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	4	0.32
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	4	0.32
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	11	0.32
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	11	0.32
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	11	0.32
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	18	0.32
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	18	0.32
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	18	0.32
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	4	0.32
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	4	0.32
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	4	0.32
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	4	0.32
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	4	0.32
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	4	0.32
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	5	0.32
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	5	0.32
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	5	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	2	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	2	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	2	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	10	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	10	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	10	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	20	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	20	0.32
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	20	0.32
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	3	0.32
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	3	0.32
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	3	0.32
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	3	0.32
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	3	0.32
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	3	0.32
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	8	0.32
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	8	0.32
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	8	0.32
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	8	0.32
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	8	0.32
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	8	0.32
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG21	3	0.32
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG22	3	0.32
(1,2443)	1:54:A:VAL:HG21	1:55:A:VAL:HG23	3	0.32
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG21	3	0.32
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG22	3	0.32
(1,2443)	1:54:A:VAL:HG22	1:55:A:VAL:HG23	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG21	3	0.32
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG22	3	0.32
(1,2443)	1:54:A:VAL:HG23	1:55:A:VAL:HG23	3	0.32
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	10	0.32
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	10	0.32
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	10	0.32
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	10	0.32
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	10	0.32
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	10	0.32
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD21	12	0.32
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD22	12	0.32
(1,2389)	1:18:A:VAL:HG11	1:92:A:LEU:HD23	12	0.32
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD21	12	0.32
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD22	12	0.32
(1,2389)	1:18:A:VAL:HG12	1:92:A:LEU:HD23	12	0.32
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD21	12	0.32
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD22	12	0.32
(1,2389)	1:18:A:VAL:HG13	1:92:A:LEU:HD23	12	0.32
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	8	0.32
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	8	0.32
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	8	0.32
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	15	0.32
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	15	0.32
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	15	0.32
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	15	0.32
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	15	0.32
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	15	0.32
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	15	0.32
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	15	0.32
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	15	0.32
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	15	0.32
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	15	0.32
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	15	0.32
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	17	0.32
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	17	0.32
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	17	0.32
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	17	0.32
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	17	0.32
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	17	0.32
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	17	0.32
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	17	0.32
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	20	0.32
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	20	0.32
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	20	0.32
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	20	0.32
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	20	0.32
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	20	0.32
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	20	0.32
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	20	0.32
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	20	0.32
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	3	0.32
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	19	0.32
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	5	0.32
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	5	0.32
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	5	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	5	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	5	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	5	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	5	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	5	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	5	0.32
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	6	0.32
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	6	0.32
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	6	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	6	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	6	0.32
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	6	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	6	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	6	0.32
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	6	0.32
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	17	0.32
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	17	0.32
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	17	0.32
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	17	0.32
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	17	0.32
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	17	0.32
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	17	0.32
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	17	0.32
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	17	0.32
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	20	0.32
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	20	0.32
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	20	0.32
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	20	0.32
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	20	0.32
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	20	0.32
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	20	0.32
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	20	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	6	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	6	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	6	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	6	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	6	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	6	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	6	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	6	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	6	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	6	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	6	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	6	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	13	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	13	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	13	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	13	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	13	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	13	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	13	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	13	0.32
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	13	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	13	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	13	0.32
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	13	0.32
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	18	0.32
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	18	0.32
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	18	0.32
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	18	0.32
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	18	0.32
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	18	0.32
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	3	0.32
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	3	0.32
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	3	0.32
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	3	0.32
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	3	0.32
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	3	0.32
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	3	0.32
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	3	0.32
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	3	0.32
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	3	0.32
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	3	0.32
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	3	0.32
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	3	0.32
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	3	0.32
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	3	0.32
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	3	0.32
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	3	0.32
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	8	0.32
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	8	0.32
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	8	0.32
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	6	0.32
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	6	0.32
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	6	0.32
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	2	0.32
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	2	0.32
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	2	0.32
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	2	0.32
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	2	0.32
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	2	0.32
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	5	0.32
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	5	0.32
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	5	0.32
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	2	0.32
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	2	0.32
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	2	0.32
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	17	0.32
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	17	0.32
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	17	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	6	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	6	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	6	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	7	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	7	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	7	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	19	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	19	0.32
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	19	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	3	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	3	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	13	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	13	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	13	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	15	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	15	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	15	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	18	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	18	0.32
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	18	0.32
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	20	0.32
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	20	0.32
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	20	0.32
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	20	0.32
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	20	0.32
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	20	0.32
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	20	0.31
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	20	0.31
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	20	0.31
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	6	0.31
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	6	0.31
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	6	0.31
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	12	0.31
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	12	0.31
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	12	0.31
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	7	0.31
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	7	0.31
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	7	0.31
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	17	0.31
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	17	0.31
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	17	0.31
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	17	0.31
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	17	0.31
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	17	0.31
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	10	0.31
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	10	0.31
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	10	0.31
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	10	0.31
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	10	0.31
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	10	0.31
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	15	0.31
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	15	0.31
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	15	0.31
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	15	0.31
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	15	0.31
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	4	0.31
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	4	0.31
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	4	0.31
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	6	0.31
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	6	0.31
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	6	0.31
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	7	0.31
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	7	0.31
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	7	0.31
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	19	0.31
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	19	0.31
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	19	0.31
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	19	0.31
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	19	0.31
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	19	0.31
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	15	0.31
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	15	0.31
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	15	0.31
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	18	0.31
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	18	0.31
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	18	0.31
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	18	0.31
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	18	0.31
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	18	0.31
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	8	0.31
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	8	0.31
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	8	0.31
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	8	0.31
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	8	0.31
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	8	0.31
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	8	0.31
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	8	0.31
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	8	0.31
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	8	0.31
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	8	0.31
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	8	0.31
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	10	0.31
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	10	0.31
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	10	0.31
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	10	0.31
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	10	0.31
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	15	0.31
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	15	0.31
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	15	0.31
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	15	0.31
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	15	0.31
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	15	0.31
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	9	0.31
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	9	0.31
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	9	0.31
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	9	0.31
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	9	0.31
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	9	0.31
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	9	0.31
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	9	0.31
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	9	0.31
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	9	0.31
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	9	0.31
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	9	0.31
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	6	0.31
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	6	0.31
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	6	0.31
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	2	0.31
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	2	0.31
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	2	0.31
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	2	0.31
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	2	0.31
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	2	0.31
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	2	0.31
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	2	0.31
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	2	0.31
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	4	0.31
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	4	0.31
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	4	0.31
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	4	0.31
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	4	0.31
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	4	0.31
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	4	0.31
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	4	0.31
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	13	0.31
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	13	0.31
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	13	0.31
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	13	0.31
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	13	0.31
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	13	0.31
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	13	0.31
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	13	0.31
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	13	0.31
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	1	0.31
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	4	0.31
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	6	0.31
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	10	0.31
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	14	0.31
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	4	0.31
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	4	0.31
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	4	0.31
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	4	0.31
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	4	0.31
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	4	0.31
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	4	0.31
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	4	0.31
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	4	0.31
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	13	0.31
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	13	0.31
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	13	0.31
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	13	0.31
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	13	0.31
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	13	0.31
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	13	0.31
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	13	0.31
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	13	0.31
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG21	19	0.31
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG22	19	0.31
(1,1316)	1:141:A:VAL:HG21	1:55:A:VAL:HG23	19	0.31
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG21	19	0.31
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG22	19	0.31
(1,1316)	1:141:A:VAL:HG22	1:55:A:VAL:HG23	19	0.31
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG21	19	0.31
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG22	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:141:A:VAL:HG23	1:55:A:VAL:HG23	19	0.31
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	19	0.31
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	19	0.31
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	19	0.31
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	19	0.31
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	19	0.31
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	19	0.31
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	19	0.31
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	19	0.31
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	19	0.31
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	15	0.31
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	15	0.31
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	15	0.31
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	15	0.31
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	15	0.31
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	15	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	6	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	6	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	6	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	6	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	6	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	6	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	6	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	6	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	6	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	6	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	6	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	6	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	20	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	20	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	20	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	20	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	20	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	20	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	20	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	20	0.31
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	20	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	20	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	20	0.31
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	20	0.31
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	6	0.31
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	6	0.31
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	6	0.31
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	6	0.31
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	6	0.31
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	1	0.31
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	1	0.31
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	1	0.31
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	7	0.31
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	7	0.31
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	7	0.31
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	10	0.31
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	10	0.31
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	10	0.31
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	10	0.31
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	10	0.31
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	10	0.31
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	15	0.31
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	15	0.31
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	15	0.31
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	15	0.31
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	15	0.31
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	15	0.31
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	4	0.31
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	4	0.31
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	4	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	8	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	8	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	8	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	8	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	8	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	8	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	11	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	11	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	11	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	11	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	11	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	11	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	14	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	14	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	14	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	14	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	14	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	19	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	19	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	19	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	19	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	19	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	19	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	20	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	20	0.31
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	20	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	20	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	20	0.31
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	20	0.31
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	13	0.31
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	13	0.31
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	13	0.31
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	10	0.31
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	10	0.31
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	10	0.31
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	6	0.31
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	6	0.31
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	6	0.31
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	5	0.31
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	5	0.31
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	5	0.31
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	5	0.31
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	5	0.31
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	5	0.31
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	7	0.31
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	7	0.31
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	7	0.31
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	14	0.31
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	14	0.31
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	14	0.31
(1,4280)	1:148:A:LEU:HD11	1:144:A:TRP:HE1	16	0.3
(1,4280)	1:148:A:LEU:HD12	1:144:A:TRP:HE1	16	0.3
(1,4280)	1:148:A:LEU:HD13	1:144:A:TRP:HE1	16	0.3
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	15	0.3
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	20	0.3
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	6	0.3
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	6	0.3
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	8	0.3
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	8	0.3
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	8	0.3
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	9	0.3
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	9	0.3
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	9	0.3
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	13	0.3
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	13	0.3
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	13	0.3
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	14	0.3
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	14	0.3
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	14	0.3
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	17	0.3
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	17	0.3
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	17	0.3
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	20	0.3
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	20	0.3
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	20	0.3
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD11	16	0.3
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD12	16	0.3
(1,3085)	1:144:A:TRP:HE1	1:148:A:LEU:HD13	16	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	2	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	2	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	2	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	2	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	2	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	2	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	7	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	7	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	7	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	7	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	7	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	7	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	11	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	11	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	11	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	11	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	11	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	11	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	16	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	16	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	16	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	16	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	16	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	18	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	18	0.3
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	18	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	18	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	18	0.3
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	18	0.3
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	2	0.3
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	2	0.3
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	2	0.3
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	12	0.3
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	12	0.3
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	12	0.3
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	19	0.3
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	19	0.3
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	19	0.3
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	2	0.3
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	2	0.3
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	2	0.3
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	4	0.3
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	4	0.3
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	4	0.3
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	18	0.3
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	18	0.3
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	18	0.3
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG11	18	0.3
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG12	18	0.3
(1,2400)	1:6:A:ILE:H	1:35:A:VAL:HG13	18	0.3
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	13	0.3
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	13	0.3
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	13	0.3
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	13	0.3
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	13	0.3
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	13	0.3
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	13	0.3
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	13	0.3
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	13	0.3
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	13	0.3
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	13	0.3
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	2	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	2	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	2	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	2	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	2	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	2	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	7	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	7	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	7	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	7	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	7	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	7	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	11	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	11	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	11	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	11	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	11	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	11	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	16	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	16	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	16	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	16	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	16	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	16	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	18	0.3
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	18	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	18	0.3
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	18	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	18	0.3
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	18	0.3
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	5	0.3
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	5	0.3
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	5	0.3
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	15	0.3
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	15	0.3
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	15	0.3
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	4	0.3
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	4	0.3
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	4	0.3
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	18	0.3
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	18	0.3
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	8	0.3
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	8	0.3
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	8	0.3
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	8	0.3
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	8	0.3
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	8	0.3
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	8	0.3
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	8	0.3
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	8	0.3
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	5	0.3
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	11	0.3
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	8	0.3
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	8	0.3
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	8	0.3
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	8	0.3
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	8	0.3
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	8	0.3
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	8	0.3
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	8	0.3
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	8	0.3
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	13	0.3
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	13	0.3
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	13	0.3
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	13	0.3
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	13	0.3
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	13	0.3
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	4	0.3
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	4	0.3
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	4	0.3
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	4	0.3
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	4	0.3
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	4	0.3
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	4	0.3
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	4	0.3
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	4	0.3
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	4	0.3
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	4	0.3
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	4	0.3
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	11	0.3
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	11	0.3
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	11	0.3
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	11	0.3
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	11	0.3
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	16	0.3
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	16	0.3
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	16	0.3
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	16	0.3
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	16	0.3
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	16	0.3
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	20	0.3
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	20	0.3
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	20	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	2	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	2	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	2	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	2	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	2	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	2	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	7	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	7	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	7	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	7	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	7	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	7	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	11	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	11	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	11	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	11	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	11	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	11	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	16	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	16	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	16	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	16	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	16	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	16	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	18	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	18	0.3
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	18	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	18	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	18	0.3
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	18	0.3
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	1	0.3
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	1	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	3	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	3	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	3	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	3	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	3	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	3	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	4	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	4	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	4	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	4	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	4	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	4	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	5	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	5	0.3
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	5	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	5	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	5	0.3
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	5	0.3
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	20	0.3
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	20	0.3
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	20	0.3
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	9	0.3
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	9	0.3
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	9	0.3
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	9	0.3
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	9	0.3
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	9	0.3
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	12	0.3
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	12	0.3
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	12	0.3
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	6	0.3
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	6	0.3
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	6	0.3
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	18	0.3
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	18	0.3
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	18	0.3
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	17	0.3
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	17	0.3
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	17	0.3
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	17	0.3
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	17	0.3
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	8	0.29
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	9	0.29
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	11	0.29
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	16	0.29
(1,3689)	1:85:A:LEU:HD11	1:87:A:TYR:H	10	0.29
(1,3689)	1:85:A:LEU:HD12	1:87:A:TYR:H	10	0.29
(1,3689)	1:85:A:LEU:HD13	1:87:A:TYR:H	10	0.29
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	4	0.29
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	4	0.29
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	4	0.29
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	18	0.29
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	18	0.29
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	18	0.29
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	10	0.29
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	10	0.29
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	10	0.29
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	5	0.29
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	5	0.29
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	5	0.29
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	5	0.29
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	5	0.29
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	5	0.29
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	17	0.29
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	17	0.29
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	17	0.29
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	20	0.29
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	20	0.29
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	20	0.29
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	19	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	2	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	2	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	2	0.29
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	2	0.29
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	2	0.29
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	2	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	8	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	8	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	8	0.29
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	8	0.29
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	8	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	13	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	13	0.29
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	13	0.29
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	13	0.29
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	13	0.29
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	13	0.29
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	12	0.29
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	12	0.29
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	12	0.29
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	13	0.29
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	13	0.29
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	13	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	1	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	1	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	1	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	1	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	1	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	1	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	1	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	1	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	1	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	1	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	1	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	1	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	3	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	3	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	3	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	3	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	3	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	3	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	3	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	3	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	3	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	3	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	3	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	3	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	9	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	9	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	9	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	9	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	9	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	9	0.29
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	9	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	9	0.29
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	9	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	9	0.29
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	9	0.29
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	5	0.29
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	5	0.29
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	5	0.29
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	5	0.29
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	5	0.29
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	5	0.29
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	17	0.29
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	17	0.29
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	17	0.29
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	17	0.29
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	17	0.29
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	17	0.29
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB2	17	0.29
(1,2149)	1:111:A:LEU:HD21	1:87:A:TYR:HB3	17	0.29
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB2	17	0.29
(1,2149)	1:111:A:LEU:HD22	1:87:A:TYR:HB3	17	0.29
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB2	17	0.29
(1,2149)	1:111:A:LEU:HD23	1:87:A:TYR:HB3	17	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	3	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	3	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	3	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	3	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	3	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	3	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	3	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	3	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	3	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	3	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	3	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	3	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	7	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	7	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	7	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	7	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	7	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	7	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	7	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	7	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	7	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	7	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	7	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	12	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	12	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	12	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	12	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	12	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	12	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	12	0.29
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	12	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	12	0.29
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	12	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	12	0.29
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	12	0.29
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	14	0.29
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	14	0.29
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	14	0.29
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	12	0.29
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	12	0.29
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	12	0.29
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	13	0.29
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	13	0.29
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	13	0.29
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	8	0.29
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	12	0.29
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	13	0.29
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	17	0.29
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	1	0.29
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	8	0.29
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	15	0.29
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	16	0.29
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	20	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	2	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	2	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	2	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	2	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	2	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	2	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	2	0.29
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	2	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	2	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	2	0.29
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	2	0.29
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	20	0.29
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	20	0.29
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	20	0.29
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	18	0.29
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	18	0.29
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	18	0.29
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	18	0.29
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	18	0.29
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	18	0.29
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	1	0.29
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	1	0.29
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	1	0.29
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	1	0.29
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	1	0.29
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	1	0.29
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	10	0.29
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	10	0.29
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	10	0.29
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	5	0.29
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	5	0.29
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	5	0.29
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	5	0.29
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	5	0.29
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	5	0.29
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	17	0.29
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	17	0.29
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	17	0.29
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	17	0.29
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	17	0.29
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	17	0.29
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	17	0.29
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	17	0.29
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	17	0.29
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	18	0.29
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	18	0.29
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD21	7	0.29
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD22	7	0.29
(1,512)	1:18:A:VAL:H	1:17:A:LEU:HD23	7	0.29
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	10	0.29
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	10	0.29
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	10	0.29
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	16	0.29
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	16	0.29
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	16	0.29
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	1	0.29
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	1	0.29
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	1	0.29
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	1	0.29
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	1	0.29
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	1	0.29
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	8	0.29
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	8	0.29
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	8	0.29
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	8	0.29
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	8	0.29
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	8	0.29
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	2	0.29
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	2	0.29
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	2	0.29
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	13	0.29
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	13	0.29
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	13	0.29
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	4	0.28
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	5	0.28
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	6	0.28
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	13	0.28
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	2	0.28
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	2	0.28
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	11	0.28
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	11	0.28
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	4	0.28
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	4	0.28
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	4	0.28
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	11	0.28
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	11	0.28
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	15	0.28
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	15	0.28
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	15	0.28
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	17	0.28
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	17	0.28
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	1	0.28
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	1	0.28
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	1	0.28
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	10	0.28
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	10	0.28
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	10	0.28
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	11	0.28
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	11	0.28
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	11	0.28
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	12	0.28
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	12	0.28
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	12	0.28
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	12	0.28
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	12	0.28
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	12	0.28
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	20	0.28
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	20	0.28
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	20	0.28
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	20	0.28
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	20	0.28
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	20	0.28
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	19	0.28
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	19	0.28
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	19	0.28
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	7	0.28
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	18	0.28
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	8	0.28
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	8	0.28
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	8	0.28
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	15	0.28
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	5	0.28
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	5	0.28
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	5	0.28
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	5	0.28
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	5	0.28
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	5	0.28
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	9	0.28
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	9	0.28
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	9	0.28
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	9	0.28
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	9	0.28
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG11	3	0.28
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG12	3	0.28
(1,2404)	1:23:A:GLU:HA	1:35:A:VAL:HG13	3	0.28
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	16	0.28
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	16	0.28
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	16	0.28
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	8	0.28
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	8	0.28
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	8	0.28
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	13	0.28
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	13	0.28
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	13	0.28
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	11	0.28
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	11	0.28
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	11	0.28
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	11	0.28
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	11	0.28
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	11	0.28
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	11	0.28
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	11	0.28
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	11	0.28
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	16	0.28
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	16	0.28
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	16	0.28
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	4	0.28
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	4	0.28
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	4	0.28
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	4	0.28
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	4	0.28
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	4	0.28
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	6	0.28
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	2	0.28
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	7	0.28
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	9	0.28
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	12	0.28
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	11	0.28
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	11	0.28
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	11	0.28
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	11	0.28
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	11	0.28
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	11	0.28
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	11	0.28
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	11	0.28
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	17	0.28
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	17	0.28
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	17	0.28
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	17	0.28
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	17	0.28
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	17	0.28
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	8	0.28
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	8	0.28
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	8	0.28
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	8	0.28
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	8	0.28
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	8	0.28
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	8	0.28
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	8	0.28
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	8	0.28
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	8	0.28
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	8	0.28
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	8	0.28
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	19	0.28
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	19	0.28
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	19	0.28
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	19	0.28
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	19	0.28
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	19	0.28
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	6	0.28
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	6	0.28
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	6	0.28
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	14	0.28
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	14	0.28
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	14	0.28
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	14	0.28
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	14	0.28
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	14	0.28
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	4	0.28
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	4	0.28
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	4	0.28
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	4	0.28
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	4	0.28
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	15	0.28
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	15	0.28
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	15	0.28
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	8	0.28
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	8	0.28
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	8	0.28
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	11	0.28
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	11	0.28
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	11	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	1	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	1	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	1	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	10	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	10	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	10	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	20	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	20	0.28
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	20	0.28
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG11	20	0.28
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG12	20	0.28
(1,561)	1:52:A:VAL:H	1:52:A:VAL:HG13	20	0.28
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	13	0.28
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	13	0.28
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	13	0.28
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	15	0.28
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	15	0.28
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	15	0.28
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	14	0.28
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	14	0.28
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	14	0.28
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	1	0.28
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	1	0.28
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	1	0.28
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	9	0.28
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	9	0.28
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	9	0.28
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	9	0.28
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	9	0.28
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	20	0.28
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	1	0.27
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	7	0.27
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	12	0.27
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	17	0.27
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	19	0.27
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	1	0.27
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	1	0.27
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	1	0.27
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	7	0.27
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	7	0.27
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	7	0.27
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	12	0.27
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	12	0.27
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	12	0.27
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	5	0.27
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	5	0.27
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	5	0.27
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	10	0.27
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	10	0.27
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	10	0.27
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	11	0.27
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	11	0.27
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	11	0.27
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	15	0.27
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	15	0.27
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	15	0.27
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	16	0.27
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	16	0.27
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	16	0.27
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	19	0.27
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	19	0.27
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	19	0.27
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	5	0.27
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	5	0.27
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	15	0.27
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	15	0.27
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	19	0.27
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	19	0.27
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	6	0.27
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	6	0.27
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	8	0.27
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	8	0.27
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	8	0.27
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	19	0.27
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	19	0.27
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	19	0.27
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	19	0.27
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	19	0.27
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	19	0.27
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	14	0.27
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	14	0.27
(1,2983)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	14	0.27
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	14	0.27
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	14	0.27
(1,2983)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	14	0.27
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	7	0.27
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	7	0.27
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	7	0.27
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	13	0.27
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	13	0.27
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	13	0.27
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	14	0.27
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	14	0.27
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	14	0.27
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	16	0.27
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	16	0.27
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	16	0.27
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	8	0.27
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	8	0.27
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	8	0.27
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	8	0.27
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	8	0.27
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	6	0.27
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	19	0.27
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	19	0.27
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	19	0.27
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	7	0.27
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	7	0.27
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	7	0.27
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	1	0.27
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	1	0.27
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	7	0.27
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	7	0.27
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	7	0.27
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	12	0.27
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	12	0.27
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	12	0.27
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	17	0.27
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	17	0.27
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	17	0.27
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	17	0.27
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	17	0.27
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	17	0.27
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	20	0.27
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	20	0.27
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	20	0.27
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	20	0.27
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	20	0.27
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	20	0.27
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	4	0.27
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	4	0.27
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	4	0.27
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	6	0.27
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	6	0.27
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	6	0.27
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	9	0.27
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	9	0.27
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	9	0.27
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	14	0.27
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	14	0.27
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	14	0.27
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	6	0.27
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	6	0.27
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	6	0.27
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	6	0.27
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	6	0.27
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	6	0.27
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	6	0.27
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	6	0.27
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	6	0.27
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	6	0.27
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	6	0.27
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB2	14	0.27
(1,2224)	1:123:A:LEU:HD11	1:140:A:TRP:HB3	14	0.27
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB2	14	0.27
(1,2224)	1:123:A:LEU:HD12	1:140:A:TRP:HB3	14	0.27
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB2	14	0.27
(1,2224)	1:123:A:LEU:HD13	1:140:A:TRP:HB3	14	0.27
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	7	0.27
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	7	0.27
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	7	0.27
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	2	0.27
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	2	0.27
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	2	0.27
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	20	0.27
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	20	0.27
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	20	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	4	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	4	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	4	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	6	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	6	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	6	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	9	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	9	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	9	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	14	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	14	0.27
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	14	0.27
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	20	0.27
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	17	0.27
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	15	0.27
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	15	0.27
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	15	0.27
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	15	0.27
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	15	0.27
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	15	0.27
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	15	0.27
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	15	0.27
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	15	0.27
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	10	0.27
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	10	0.27
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	10	0.27
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	10	0.27
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	10	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	9	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	9	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	9	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	9	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	9	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	9	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	12	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	12	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	12	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	12	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	12	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	12	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	13	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	13	0.27
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	13	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	13	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	13	0.27
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	13	0.27
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	8	0.27
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	8	0.27
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	8	0.27
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	8	0.27
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	8	0.27
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	8	0.27
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	7	0.27
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	7	0.27
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	7	0.27
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	7	0.27
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	7	0.27
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	7	0.27
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	6	0.27
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	6	0.27
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	6	0.27
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	6	0.27
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	6	0.27
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	6	0.27
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG11	12	0.27
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG12	12	0.27
(1,1022)	1:97:A:TYR:HB2	1:98:A:VAL:HG13	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG11	12	0.27
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG12	12	0.27
(1,1022)	1:97:A:TYR:HB3	1:98:A:VAL:HG13	12	0.27
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	6	0.27
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	6	0.27
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	6	0.27
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD11	14	0.27
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD12	14	0.27
(1,987)	1:140:A:TRP:HB2	1:123:A:LEU:HD13	14	0.27
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD11	14	0.27
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD12	14	0.27
(1,987)	1:140:A:TRP:HB3	1:123:A:LEU:HD13	14	0.27
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	19	0.27
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	19	0.27
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	19	0.27
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG11	5	0.27
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG12	5	0.27
(1,552)	1:23:A:GLU:H	1:35:A:VAL:HG13	5	0.27
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	5	0.27
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	5	0.27
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	5	0.27
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	5	0.27
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	5	0.27
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	5	0.27
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	18	0.27
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	18	0.27
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	18	0.27
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	18	0.27
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	18	0.27
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	18	0.27
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	3	0.27
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	3	0.27
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	3	0.27
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	5	0.26
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	5	0.26
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	15	0.26
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	15	0.26
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	3	0.26
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	10	0.26
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	14	0.26
(1,4043)	1:125:A:ILE:HB	1:137:A:SER:H	18	0.26
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	6	0.26
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	6	0.26
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	17	0.26
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	17	0.26
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	17	0.26
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	2	0.26
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	2	0.26
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	2	0.26
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	7	0.26
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	7	0.26
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	7	0.26
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	1	0.26
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	1	0.26
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	20	0.26
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	20	0.26
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	20	0.26
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	20	0.26
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	20	0.26
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	20	0.26
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	8	0.26
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	8	0.26
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	8	0.26
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	9	0.26
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	9	0.26
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	9	0.26
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	18	0.26
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	18	0.26
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	18	0.26
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	20	0.26
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	20	0.26
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	20	0.26
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	11	0.26
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	11	0.26
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	11	0.26
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	16	0.26
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	16	0.26
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	16	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	1	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	4	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	8	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	10	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	12	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	13	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	15	0.26
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	16	0.26
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	5	0.26
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	5	0.26
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	5	0.26
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG11	11	0.26
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG12	11	0.26
(1,2714)	1:7:A:PHE:H	1:54:A:VAL:HG13	11	0.26
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	13	0.26
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	13	0.26
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	13	0.26
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	13	0.26
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	13	0.26
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	13	0.26
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	2	0.26
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	2	0.26
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	2	0.26
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	2	0.26
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	2	0.26
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	2	0.26
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	6	0.26
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	6	0.26
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	6	0.26
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	17	0.26
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	17	0.26
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	17	0.26
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	18	0.26
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	12	0.26
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	12	0.26
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	12	0.26
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	12	0.26
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	12	0.26
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	12	0.26
(1,2396)	1:89:A:VAL:HG21	1:89:A:VAL:HA	10	0.26
(1,2396)	1:89:A:VAL:HG22	1:89:A:VAL:HA	10	0.26
(1,2396)	1:89:A:VAL:HG23	1:89:A:VAL:HA	10	0.26
(1,2396)	1:89:A:VAL:HG21	1:89:A:VAL:HA	20	0.26
(1,2396)	1:89:A:VAL:HG22	1:89:A:VAL:HA	20	0.26
(1,2396)	1:89:A:VAL:HG23	1:89:A:VAL:HA	20	0.26
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	8	0.26
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	8	0.26
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	10	0.26
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	10	0.26
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	10	0.26
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	18	0.26
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	18	0.26
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	18	0.26
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	20	0.26
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	20	0.26
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	20	0.26
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	10	0.26
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	10	0.26
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	10	0.26
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	10	0.26
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	10	0.26
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	10	0.26
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	10	0.26
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	10	0.26
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	10	0.26
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	10	0.26
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	10	0.26
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	10	0.26
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	10	0.26
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	10	0.26
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	10	0.26
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	10	0.26
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	10	0.26
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	10	0.26
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	10	0.26
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	10	0.26
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	10	0.26
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	12	0.26
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	12	0.26
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	12	0.26
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	12	0.26
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	12	0.26
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	12	0.26
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	12	0.26
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	12	0.26
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	12	0.26
(1,2021)	1:125:A:ILE:HD11	1:92:A:LEU:HD21	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2021)	1:125:A:ILE:HD11	1:92:A:LEU:HD22	7	0.26
(1,2021)	1:125:A:ILE:HD11	1:92:A:LEU:HD23	7	0.26
(1,2021)	1:125:A:ILE:HD12	1:92:A:LEU:HD21	7	0.26
(1,2021)	1:125:A:ILE:HD12	1:92:A:LEU:HD22	7	0.26
(1,2021)	1:125:A:ILE:HD12	1:92:A:LEU:HD23	7	0.26
(1,2021)	1:125:A:ILE:HD13	1:92:A:LEU:HD21	7	0.26
(1,2021)	1:125:A:ILE:HD13	1:92:A:LEU:HD22	7	0.26
(1,2021)	1:125:A:ILE:HD13	1:92:A:LEU:HD23	7	0.26
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	15	0.26
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	15	0.26
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	15	0.26
(1,1956)	1:148:A:LEU:HD11	1:119:A:VAL:HB	5	0.26
(1,1956)	1:148:A:LEU:HD12	1:119:A:VAL:HB	5	0.26
(1,1956)	1:148:A:LEU:HD13	1:119:A:VAL:HB	5	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	8	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	8	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	8	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	10	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	10	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	10	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	18	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	18	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	18	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	20	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	20	0.26
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	20	0.26
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	9	0.26
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	3	0.26
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	4	0.26
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	13	0.26
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	1	0.26
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	1	0.26
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	1	0.26
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	1	0.26
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	1	0.26
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	1	0.26
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	1	0.26
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	1	0.26
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	1	0.26
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	4	0.26
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	4	0.26
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	4	0.26
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	4	0.26
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	4	0.26
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	4	0.26
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	4	0.26
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	4	0.26
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	16	0.26
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	16	0.26
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	16	0.26
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	16	0.26
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	16	0.26
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	16	0.26
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	16	0.26
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	16	0.26
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	16	0.26
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	4	0.26
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	4	0.26
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	4	0.26
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	4	0.26
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	4	0.26
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	4	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	1	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	1	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	1	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	1	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	1	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	1	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	4	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	4	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	4	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	4	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	4	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	4	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	20	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	20	0.26
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	20	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	20	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	20	0.26
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	20	0.26
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	15	0.26
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	15	0.26
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	15	0.26
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	15	0.26
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	15	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	7	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	7	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	7	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	7	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	7	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	7	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	7	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	7	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	7	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	7	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	7	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	7	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	10	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	10	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	10	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	10	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	10	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	10	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	10	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	10	0.26
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	10	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	10	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	10	0.26
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	10	0.26
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	11	0.26
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	11	0.26
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	11	0.26
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	11	0.26
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	11	0.26
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	11	0.26
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	5	0.26
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	5	0.26
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	5	0.26
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	5	0.26
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	5	0.26
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	5	0.26
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	9	0.26
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	9	0.26
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG21	10	0.26
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG22	10	0.26
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG23	10	0.26
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG21	20	0.26
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG22	20	0.26
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG23	20	0.26
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	13	0.26
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	13	0.26
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	13	0.26
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	13	0.26
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	13	0.26
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	13	0.26
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG11	3	0.26
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG12	3	0.26
(1,995)	1:90:A:ILE:HA	1:55:A:VAL:HG13	3	0.26
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	10	0.26
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	10	0.26
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	10	0.26
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	7	0.26
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	7	0.26
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	7	0.26
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	8	0.26
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	8	0.26
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	8	0.26
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	18	0.26
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	18	0.26
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	18	0.26
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	20	0.26
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	20	0.26
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	20	0.26
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	20	0.26
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	20	0.26
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	20	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	9	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	9	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	9	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	11	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	11	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	11	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	12	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	12	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	15	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	15	0.26
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	15	0.26
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	9	0.25
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	9	0.25
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	9	0.25
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	3	0.25
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	3	0.25
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	3	0.25
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	12	0.25
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	12	0.25
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	13	0.25
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	13	0.25
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	14	0.25
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	14	0.25
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	8	0.25
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	8	0.25
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	8	0.25
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	8	0.25
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	8	0.25
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	8	0.25
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	12	0.25
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	12	0.25
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	12	0.25
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	12	0.25
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	12	0.25
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	12	0.25
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	3	0.25
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	3	0.25
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	3	0.25
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	15	0.25
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	15	0.25
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	15	0.25
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	15	0.25
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	15	0.25
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	2	0.25
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	5	0.25
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	9	0.25
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	17	0.25
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	19	0.25
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	20	0.25
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	1	0.25
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	1	0.25
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	6	0.25
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	6	0.25
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	6	0.25
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	9	0.25
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	9	0.25
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	9	0.25
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	18	0.25
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	18	0.25
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	18	0.25
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	18	0.25
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	18	0.25
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	18	0.25
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	6	0.25
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	6	0.25
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	6	0.25
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	6	0.25
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	6	0.25
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	6	0.25
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	19	0.25
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	19	0.25
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	19	0.25
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	19	0.25
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	19	0.25
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	19	0.25
(1,2396)	1:89:A:VAL:HG21	1:89:A:VAL:HA	17	0.25
(1,2396)	1:89:A:VAL:HG22	1:89:A:VAL:HA	17	0.25
(1,2396)	1:89:A:VAL:HG23	1:89:A:VAL:HA	17	0.25
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	1	0.25
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	1	0.25
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	1	0.25
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	2	0.25
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	2	0.25
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	2	0.25
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	7	0.25
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	7	0.25
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	7	0.25
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	11	0.25
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	11	0.25
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	11	0.25
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	15	0.25
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	15	0.25
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	17	0.25
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	17	0.25
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	17	0.25
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	19	0.25
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	19	0.25
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	19	0.25
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	5	0.25
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	5	0.25
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	5	0.25
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	5	0.25
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	5	0.25
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	5	0.25
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	5	0.25
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	5	0.25
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	5	0.25
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	5	0.25
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	5	0.25
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	5	0.25
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	16	0.25
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	16	0.25
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	16	0.25
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	1	0.25
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	1	0.25
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	1	0.25
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	6	0.25
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	6	0.25
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	6	0.25
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	19	0.25
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	19	0.25
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	19	0.25
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	3	0.25
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	3	0.25
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	3	0.25
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD11	19	0.25
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD12	19	0.25
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD13	19	0.25
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD11	19	0.25
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD12	19	0.25
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD13	19	0.25
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD11	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD12	19	0.25
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD13	19	0.25
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	7	0.25
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	7	0.25
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	7	0.25
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	13	0.25
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	13	0.25
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	13	0.25
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	13	0.25
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	13	0.25
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	13	0.25
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	13	0.25
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	13	0.25
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	13	0.25
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	1	0.25
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	1	0.25
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	1	0.25
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	7	0.25
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	7	0.25
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	7	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	1	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	1	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	1	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	2	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	2	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	2	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	7	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	7	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	7	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	11	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	11	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	11	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	15	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	15	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	15	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	17	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	17	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	17	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	19	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	19	0.25
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	19	0.25
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	7	0.25
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	7	0.25
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	7	0.25
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	7	0.25
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	7	0.25
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	7	0.25
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	7	0.25
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	7	0.25
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	17	0.25
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	17	0.25
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	17	0.25
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	17	0.25
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	17	0.25
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	17	0.25
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	17	0.25
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	17	0.25
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	17	0.25
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	10	0.25
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	10	0.25
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	10	0.25
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	10	0.25
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	10	0.25
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	10	0.25
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	10	0.25
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	10	0.25
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	10	0.25
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	5	0.25
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	5	0.25
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	5	0.25
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	5	0.25
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	5	0.25
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	5	0.25
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	5	0.25
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	5	0.25
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	5	0.25
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	8	0.25
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	8	0.25
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	8	0.25
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	8	0.25
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	8	0.25
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	8	0.25
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	16	0.25
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	16	0.25
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	16	0.25
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	16	0.25
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	16	0.25
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	16	0.25
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	16	0.25
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	16	0.25
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	16	0.25
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	16	0.25
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	16	0.25
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	2	0.25
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	2	0.25
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	2	0.25
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	2	0.25
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	2	0.25
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	2	0.25
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG21	17	0.25
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG22	17	0.25
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG23	17	0.25
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD21	15	0.25
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD22	15	0.25
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD23	15	0.25
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	14	0.25
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	14	0.25
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	14	0.25
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	14	0.25
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	14	0.25
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	14	0.25
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	15	0.25
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	15	0.25
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	15	0.25
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	15	0.25
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	15	0.25
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	15	0.25
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	8	0.25
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	8	0.25
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	8	0.25
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	2	0.25
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	2	0.25
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	2	0.25
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	2	0.25
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	2	0.25
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	2	0.24
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	2	0.24
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	8	0.24
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	8	0.24
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	8	0.24
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	15	0.24
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	15	0.24
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	15	0.24
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	18	0.24
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	18	0.24
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	18	0.24
(1,3524)	1:54:A:VAL:HG11	1:54:A:VAL:H	1	0.24
(1,3524)	1:54:A:VAL:HG12	1:54:A:VAL:H	1	0.24
(1,3524)	1:54:A:VAL:HG13	1:54:A:VAL:H	1	0.24
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	4	0.24
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	4	0.24
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	6	0.24
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	6	0.24
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	16	0.24
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	16	0.24
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	3	0.24
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	3	0.24
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	3	0.24
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	19	0.24
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	19	0.24
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	19	0.24
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	4	0.24
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	4	0.24
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	16	0.24
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	16	0.24
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	18	0.24
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	18	0.24
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	16	0.24
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	16	0.24
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	16	0.24
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	16	0.24
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	16	0.24
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	16	0.24
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	3	0.24
(1,2768)	1:75:A:ILE:H	1:110:A:LEU:HG	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	3	0.24
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	3	0.24
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	3	0.24
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	19	0.24
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	19	0.24
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	19	0.24
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	5	0.24
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	5	0.24
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	5	0.24
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	5	0.24
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	5	0.24
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	5	0.24
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	15	0.24
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	15	0.24
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	15	0.24
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	18	0.24
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	18	0.24
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	18	0.24
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	6	0.24
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	6	0.24
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	6	0.24
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	6	0.24
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	6	0.24
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	6	0.24
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	20	0.24
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	20	0.24
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	20	0.24
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	20	0.24
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	20	0.24
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	20	0.24
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	1	0.24
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	1	0.24
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	1	0.24
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	1	0.24
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	1	0.24
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	1	0.24
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	14	0.24
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	14	0.24
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	14	0.24
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	14	0.24
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	14	0.24
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	3	0.24
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	3	0.24
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	3	0.24
(1,2286)	1:53:A:LEU:HD11	1:6:A:ILE:HA	5	0.24
(1,2286)	1:53:A:LEU:HD12	1:6:A:ILE:HA	5	0.24
(1,2286)	1:53:A:LEU:HD13	1:6:A:ILE:HA	5	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	2	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	2	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	2	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	2	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	2	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	2	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	2	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	2	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	2	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	2	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	2	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	2	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	4	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	4	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	4	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	4	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	4	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	4	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	4	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	4	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	4	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	4	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	4	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	4	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	15	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	15	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	15	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	15	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	15	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	15	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	15	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	15	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	15	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	15	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	15	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	19	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	19	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	19	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	19	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	19	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	19	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	19	0.24
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	19	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	19	0.24
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	19	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	19	0.24
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	19	0.24
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	19	0.24
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	19	0.24
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	19	0.24
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	4	0.24
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	4	0.24
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	4	0.24
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	4	0.24
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	4	0.24
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	4	0.24
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	4	0.24
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	4	0.24
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	4	0.24
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	4	0.24
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	4	0.24
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	4	0.24
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	11	0.24
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	11	0.24
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	11	0.24
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	11	0.24
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	11	0.24
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	11	0.24
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB2	11	0.24
(1,2087)	1:141:A:VAL:HG11	1:137:A:SER:HB3	11	0.24
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB2	11	0.24
(1,2087)	1:141:A:VAL:HG12	1:137:A:SER:HB3	11	0.24
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB2	11	0.24
(1,2087)	1:141:A:VAL:HG13	1:137:A:SER:HB3	11	0.24
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	13	0.24
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	13	0.24
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	14	0.24
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	14	0.24
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	14	0.24
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	3	0.24
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	3	0.24
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	3	0.24
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD11	5	0.24
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD12	5	0.24
(1,1866)	1:6:A:ILE:HA	1:53:A:LEU:HD13	5	0.24
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	2	0.24
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	11	0.24
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	18	0.24
(1,1456)	1:4:A:ILE:HB	1:23:A:GLU:HA	19	0.24
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	11	0.24
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	11	0.24
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	11	0.24
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	11	0.24
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	11	0.24
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	11	0.24
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	11	0.24
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	11	0.24
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	11	0.24
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	9	0.24
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	9	0.24
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	9	0.24
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	9	0.24
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	9	0.24
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	9	0.24
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	9	0.24
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	9	0.24
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	9	0.24
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	6	0.24
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	6	0.24
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	6	0.24
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	6	0.24
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	6	0.24
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	6	0.24
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	6	0.24
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	6	0.24
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	6	0.24
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	7	0.24
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	7	0.24
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	7	0.24
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	7	0.24
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	7	0.24
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	7	0.24
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	7	0.24
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	7	0.24
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	7	0.24
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	7	0.24
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	7	0.24
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	2	0.24
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	2	0.24
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	2	0.24
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	2	0.24
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	2	0.24
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	2	0.24
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	19	0.24
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	19	0.24
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	19	0.24
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	19	0.24
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	19	0.24
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	19	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	3	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	3	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	3	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	3	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	3	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	3	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	6	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	6	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	6	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	6	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	6	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	6	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	13	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	13	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	13	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	13	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	13	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	13	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	17	0.24
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	17	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	17	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	17	0.24
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	17	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	6	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	6	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	6	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	6	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	6	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	6	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	17	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	17	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	17	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	17	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	17	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	17	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	19	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	19	0.24
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	19	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	19	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	19	0.24
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	19	0.24
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	8	0.24
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	8	0.24
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	8	0.24
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	8	0.24
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	8	0.24
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	8	0.24
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	5	0.24
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	5	0.24
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	5	0.24
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	20	0.24
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	20	0.24
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	20	0.24
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	11	0.24
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	11	0.24
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	11	0.24
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	1	0.24
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	1	0.24
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	1	0.24
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	1	0.24
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	1	0.24
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	11	0.24
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	11	0.24
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	11	0.24
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	11	0.24
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	11	0.24
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	11	0.24
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	8	0.24
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	8	0.24
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	8	0.24
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	8	0.24
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	8	0.24
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	8	0.24
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	12	0.24
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	12	0.24
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	12	0.24
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	12	0.24
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	12	0.24
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	12	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	2	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	2	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	2	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	5	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	5	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	5	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	14	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	14	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	14	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	17	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	17	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	17	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	19	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	19	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	19	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	20	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	20	0.24
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	20	0.24
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	13	0.24
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	13	0.24
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	13	0.24
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	13	0.24
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	13	0.24
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	6	0.23
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	15	0.23
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	16	0.23
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	16	0.23
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	16	0.23
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	7	0.23
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	7	0.23
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	9	0.23
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	9	0.23
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	14	0.23
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	14	0.23
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	15	0.23
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	8	0.23
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	8	0.23
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	8	0.23
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	8	0.23
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	8	0.23
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	8	0.23
(1,2977)	1:124:A:LEU:HD21	1:123:A:LEU:HA	5	0.23
(1,2977)	1:124:A:LEU:HD22	1:123:A:LEU:HA	5	0.23
(1,2977)	1:124:A:LEU:HD23	1:123:A:LEU:HA	5	0.23
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	11	0.23
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	11	0.23
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	7	0.23
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	7	0.23
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	7	0.23
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	14	0.23
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	14	0.23
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	14	0.23
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	16	0.23
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	16	0.23
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	16	0.23
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	14	0.23
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	2	0.23
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	2	0.23
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	2	0.23
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	2	0.23
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	2	0.23
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	2	0.23
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	15	0.23
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	15	0.23
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	15	0.23
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	15	0.23
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	15	0.23
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	7	0.23
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	7	0.23
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	7	0.23
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	7	0.23
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	7	0.23
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	7	0.23
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	20	0.23
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	20	0.23
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	20	0.23
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	14	0.23
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	14	0.23
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	14	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	3	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	3	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	3	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	6	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	6	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	6	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	12	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	12	0.23
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	12	0.23
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	3	0.23
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	3	0.23
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	3	0.23
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	3	0.23
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	3	0.23
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	3	0.23
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	3	0.23
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	3	0.23
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	3	0.23
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	8	0.23
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	8	0.23
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	8	0.23
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	8	0.23
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	8	0.23
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	8	0.23
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	8	0.23
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	8	0.23
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	5	0.23
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	5	0.23
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	5	0.23
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	5	0.23
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	5	0.23
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	5	0.23
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	5	0.23
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	14	0.23
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	15	0.23
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	16	0.23
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	18	0.23
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	3	0.23
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	3	0.23
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	3	0.23
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	3	0.23
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	3	0.23
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	3	0.23
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	3	0.23
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	3	0.23
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	3	0.23
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	10	0.23
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	10	0.23
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	10	0.23
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	10	0.23
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	10	0.23
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	10	0.23
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	10	0.23
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	10	0.23
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	10	0.23
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	14	0.23
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	14	0.23
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	18	0.23
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	18	0.23
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	14	0.23
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	14	0.23
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	14	0.23
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	14	0.23
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	14	0.23
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	14	0.23
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	14	0.23
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	14	0.23
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	5	0.23
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	5	0.23
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	5	0.23
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	5	0.23
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	5	0.23
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	5	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	2	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	2	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	2	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	2	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	2	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	2	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	4	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	4	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	4	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	4	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	4	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	4	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	5	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	5	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	5	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	5	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	5	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	5	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	7	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	7	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	7	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	7	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	7	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	7	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	8	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	8	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	8	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	8	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	8	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	8	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	11	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	11	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	11	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	11	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	11	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	12	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	12	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	12	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	12	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	12	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	12	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	14	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	14	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	14	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	14	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	14	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	14	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	15	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	15	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	15	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	15	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	15	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	15	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	16	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	16	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	16	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	16	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	16	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	16	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	19	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	19	0.23
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	19	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	19	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	19	0.23
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	19	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	3	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	3	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	3	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	3	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	3	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	3	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	6	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	6	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	6	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	6	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	6	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	18	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	18	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	18	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	18	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	18	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	18	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	19	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	19	0.23
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	19	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	19	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	19	0.23
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	19	0.23
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	18	0.23
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	18	0.23
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	18	0.23
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	18	0.23
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	18	0.23
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	18	0.23
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	18	0.23
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	18	0.23
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	18	0.23
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	18	0.23
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	18	0.23
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	18	0.23
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	5	0.23
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	5	0.23
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	5	0.23
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	5	0.23
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	5	0.23
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	5	0.23
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	13	0.23
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	13	0.23
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	13	0.23
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	13	0.23
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	13	0.23
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	13	0.23
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD21	13	0.23
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD22	13	0.23
(1,930)	1:78:A:SER:HB2	1:45:A:LEU:HD23	13	0.23
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD21	13	0.23
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD22	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:78:A:SER:HB3	1:45:A:LEU:HD23	13	0.23
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	12	0.23
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	12	0.23
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	12	0.23
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	19	0.23
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	19	0.23
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	19	0.23
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	19	0.23
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	19	0.23
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	19	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	3	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	3	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	3	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	3	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	3	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	3	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	13	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	13	0.23
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	13	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	13	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	13	0.23
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	13	0.23
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	17	0.23
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	17	0.23
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	17	0.23
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	4	0.23
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	4	0.23
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	4	0.23
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	11	0.23
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	11	0.23
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	11	0.23
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	11	0.23
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	11	0.23
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	11	0.23
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	12	0.23
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	12	0.23
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	12	0.23
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	12	0.23
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	12	0.23
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	12	0.23
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	8	0.23
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	6	0.22
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	9	0.22
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	9	0.22
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	8	0.22
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	8	0.22
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	8	0.22
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	10	0.22
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	10	0.22
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	10	0.22
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	3	0.22
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	3	0.22
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	8	0.22
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	8	0.22
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	18	0.22
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	18	0.22
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	20	0.22
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	20	0.22
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	9	0.22
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	9	0.22
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	9	0.22
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	14	0.22
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	14	0.22
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	14	0.22
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	9	0.22
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	9	0.22
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	9	0.22
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	9	0.22
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	9	0.22
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	9	0.22
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	7	0.22
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	7	0.22
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	7	0.22
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	7	0.22
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	7	0.22
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	7	0.22
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	14	0.22
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	14	0.22
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	14	0.22
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	14	0.22
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	14	0.22
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	14	0.22
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB2	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2919)	1:111:A:LEU:HD21	1:107:A:PHE:HB3	13	0.22
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB2	13	0.22
(1,2919)	1:111:A:LEU:HD22	1:107:A:PHE:HB3	13	0.22
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB2	13	0.22
(1,2919)	1:111:A:LEU:HD23	1:107:A:PHE:HB3	13	0.22
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	18	0.22
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	18	0.22
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	18	0.22
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	18	0.22
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	18	0.22
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	18	0.22
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	6	0.22
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	6	0.22
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	6	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	15	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	15	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	15	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	16	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	16	0.22
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	16	0.22
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	10	0.22
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	10	0.22
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	10	0.22
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	10	0.22
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	10	0.22
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	10	0.22
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	17	0.22
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	17	0.22
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	17	0.22
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	17	0.22
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	17	0.22
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	17	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	8	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	8	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	8	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	10	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	10	0.22
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	10	0.22
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	3	0.22
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	5	0.22
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	7	0.22
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	13	0.22
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	4	0.22
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	4	0.22
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	4	0.22
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	4	0.22
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	4	0.22
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	4	0.22
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	14	0.22
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	14	0.22
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	14	0.22
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	14	0.22
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	14	0.22
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	14	0.22
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	12	0.22
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	12	0.22
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	12	0.22
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	12	0.22
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	12	0.22
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	12	0.22
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	16	0.22
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	16	0.22
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	16	0.22
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	16	0.22
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	16	0.22
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	16	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	9	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	9	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	9	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	16	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	16	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	16	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	18	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	18	0.22
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	18	0.22
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	15	0.22
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	15	0.22
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	15	0.22
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	16	0.22
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	16	0.22
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	16	0.22
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	15	0.22
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	15	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	4	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	4	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	4	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	11	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	11	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	11	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	16	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	16	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	16	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	18	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	18	0.22
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	18	0.22
(1,1956)	1:148:A:LEU:HD11	1:119:A:VAL:HB	2	0.22
(1,1956)	1:148:A:LEU:HD12	1:119:A:VAL:HB	2	0.22
(1,1956)	1:148:A:LEU:HD13	1:119:A:VAL:HB	2	0.22
(1,1956)	1:148:A:LEU:HD11	1:119:A:VAL:HB	9	0.22
(1,1956)	1:148:A:LEU:HD12	1:119:A:VAL:HB	9	0.22
(1,1956)	1:148:A:LEU:HD13	1:119:A:VAL:HB	9	0.22
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	11	0.22
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	11	0.22
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	11	0.22
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	17	0.22
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	17	0.22
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	17	0.22
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	7	0.22
(1,1549)	1:123:A:LEU:HG	1:123:A:LEU:HA	10	0.22
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	20	0.22
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	20	0.22
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	20	0.22
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	20	0.22
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	20	0.22
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	20	0.22
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	20	0.22
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	20	0.22
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	20	0.22
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	18	0.22
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	18	0.22
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	18	0.22
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	18	0.22
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	18	0.22
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	18	0.22
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	18	0.22
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	18	0.22
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	18	0.22
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	18	0.22
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	18	0.22
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	18	0.22
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	18	0.22
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	18	0.22
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	18	0.22
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	18	0.22
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	18	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	13	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	13	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	13	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	13	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	13	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	13	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	13	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	13	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	13	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	14	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	14	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	14	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	14	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	14	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	14	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	14	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	14	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	14	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	20	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	20	0.22
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	20	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	20	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	20	0.22
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	20	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	20	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	20	0.22
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	20	0.22
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	5	0.22
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	5	0.22
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	1	0.22
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	1	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	1	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	1	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	1	0.22
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	9	0.22
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	9	0.22
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	9	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	9	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	9	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	9	0.22
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	20	0.22
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	20	0.22
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	20	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	20	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	20	0.22
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	20	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	1	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	1	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	1	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	1	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	1	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	1	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	7	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	7	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	7	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	7	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	7	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	7	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	8	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	8	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	8	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	8	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	8	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	8	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	14	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	14	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	14	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	14	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	14	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	14	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	17	0.22
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	17	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	17	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	17	0.22
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	17	0.22
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	4	0.22
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	4	0.22
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	4	0.22
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	4	0.22
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	4	0.22
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	4	0.22
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	7	0.22
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	7	0.22
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	7	0.22
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	7	0.22
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	7	0.22
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	7	0.22
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	4	0.22
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	4	0.22
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	4	0.22
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	4	0.22
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	4	0.22
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	4	0.22
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	3	0.22
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	3	0.22
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	3	0.22
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	16	0.22
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	16	0.22
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	16	0.22
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	3	0.22
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	3	0.22
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	3	0.22
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	5	0.22
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	5	0.22
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	5	0.22
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	5	0.22
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	5	0.22
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	5	0.22
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	15	0.22
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	15	0.22
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	15	0.22
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	15	0.22
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	15	0.22
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	18	0.22
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	18	0.22
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	18	0.22
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	18	0.22
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	18	0.22
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	18	0.22
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG21	3	0.22
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG22	3	0.22
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG23	3	0.22
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	1	0.22
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	1	0.22
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	1	0.22
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	1	0.22
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	1	0.22
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	1	0.22
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	6	0.22
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	6	0.22
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	6	0.22
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	6	0.22
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	6	0.22
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	6	0.22
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	3	0.22
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	3	0.22
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	3	0.22
(1,354)	1:132:A:GLU:H	1:132:A:GLU:HG2	16	0.22
(1,354)	1:132:A:GLU:H	1:132:A:GLU:HG3	16	0.22
(1,352)	1:132:A:GLU:H	1:132:A:GLU:HG2	16	0.22
(1,352)	1:132:A:GLU:H	1:132:A:GLU:HG3	16	0.22
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	19	0.21
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	19	0.21
(1,4269)	1:121:A:GLU:HG2	1:140:A:TRP:HE1	13	0.21
(1,4269)	1:121:A:GLU:HG3	1:140:A:TRP:HE1	13	0.21
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	1	0.21
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	19	0.21
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	16	0.21
(1,3861)	1:113:A:GLU:HG2	1:114:A:GLN:H	15	0.21
(1,3861)	1:113:A:GLU:HG3	1:114:A:GLN:H	15	0.21
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	6	0.21
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	3	0.21
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	3	0.21
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	4	0.21
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	4	0.21
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	4	0.21
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	13	0.21
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	13	0.21
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	13	0.21
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	10	0.21
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	10	0.21
(1,3520)	1:53:A:LEU:HB2	1:54:A:VAL:H	17	0.21
(1,3520)	1:53:A:LEU:HB3	1:54:A:VAL:H	17	0.21
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	7	0.21
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	7	0.21
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	7	0.21
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	6	0.21
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	6	0.21
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	3	0.21
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	3	0.21
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	3	0.21
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	1	0.21
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	1	0.21
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	1	0.21
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	1	0.21
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	1	0.21
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	1	0.21
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	1	0.21
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	1	0.21
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	1	0.21
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	1	0.21
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	1	0.21
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	1	0.21
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	18	0.21
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	18	0.21
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	18	0.21
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	18	0.21
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	18	0.21
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	18	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	5	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	5	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	5	0.21
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	5	0.21
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	5	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	11	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	11	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	11	0.21
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	11	0.21
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	11	0.21
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	11	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	18	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	18	0.21
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	18	0.21
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	18	0.21
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	18	0.21
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	18	0.21
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD2	14	0.21
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD3	14	0.21
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	6	0.21
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	6	0.21
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	5	0.21
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	5	0.21
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	5	0.21
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	12	0.21
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	12	0.21
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	12	0.21
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	12	0.21
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	12	0.21
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	12	0.21
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	7	0.21
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	7	0.21
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	7	0.21
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	11	0.21
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	11	0.21
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	11	0.21
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	12	0.21
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	12	0.21
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	12	0.21
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	20	0.21
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	20	0.21
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	20	0.21
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	20	0.21
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	20	0.21
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	20	0.21
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	3	0.21
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	3	0.21
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	3	0.21
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	4	0.21
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	4	0.21
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	4	0.21
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	13	0.21
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	13	0.21
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	13	0.21
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	6	0.21
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	8	0.21
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	10	0.21
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	12	0.21
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	16	0.21
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	20	0.21
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	16	0.21
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	16	0.21
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	16	0.21
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	16	0.21
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	16	0.21
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	16	0.21
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	19	0.21
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	19	0.21
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	19	0.21
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	19	0.21
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	19	0.21
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	19	0.21
(1,2396)	1:89:A:VAL:HG21	1:89:A:VAL:HA	9	0.21
(1,2396)	1:89:A:VAL:HG22	1:89:A:VAL:HA	9	0.21
(1,2396)	1:89:A:VAL:HG23	1:89:A:VAL:HA	9	0.21
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG2	15	0.21
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG3	15	0.21
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	14	0.21
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	14	0.21
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	14	0.21
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	14	0.21
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	14	0.21
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	14	0.21
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	14	0.21
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	14	0.21
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	14	0.21
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	14	0.21
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	14	0.21
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	16	0.21
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	16	0.21
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	16	0.21
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	16	0.21
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	16	0.21
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	16	0.21
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	16	0.21
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	16	0.21
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	16	0.21
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	16	0.21
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	16	0.21
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	16	0.21
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	7	0.21
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	15	0.21
(1,2097)	1:110:A:LEU:HD11	1:73:A:GLN:HA	17	0.21
(1,2097)	1:110:A:LEU:HD12	1:73:A:GLN:HA	17	0.21
(1,2097)	1:110:A:LEU:HD13	1:73:A:GLN:HA	17	0.21
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	11	0.21
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	11	0.21
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	11	0.21
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	12	0.21
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	12	0.21
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	12	0.21
(1,2066)	1:54:A:VAL:HG21	1:56:A:THR:HB	16	0.21
(1,2066)	1:54:A:VAL:HG22	1:56:A:THR:HB	16	0.21
(1,2066)	1:54:A:VAL:HG23	1:56:A:THR:HB	16	0.21
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	4	0.21
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	4	0.21
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	4	0.21
(1,2036)	1:35:A:VAL:HG21	1:36:A:PHE:HA	5	0.21
(1,2036)	1:35:A:VAL:HG22	1:36:A:PHE:HA	5	0.21
(1,2036)	1:35:A:VAL:HG23	1:36:A:PHE:HA	5	0.21
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD11	19	0.21
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD12	19	0.21
(1,1916)	1:71:A:LEU:HD11	1:75:A:ILE:HD13	19	0.21
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD11	19	0.21
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD12	19	0.21
(1,1916)	1:71:A:LEU:HD12	1:75:A:ILE:HD13	19	0.21
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD11	19	0.21
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD12	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:71:A:LEU:HD13	1:75:A:ILE:HD13	19	0.21
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	1	0.21
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	1	0.21
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	1	0.21
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	1	0.21
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	1	0.21
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	1	0.21
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	1	0.21
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	1	0.21
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	1	0.21
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	10	0.21
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	10	0.21
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	10	0.21
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	13	0.21
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	13	0.21
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	13	0.21
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	13	0.21
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	13	0.21
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	13	0.21
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	12	0.21
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	12	0.21
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	12	0.21
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	12	0.21
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	12	0.21
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	12	0.21
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	12	0.21
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	12	0.21
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	12	0.21
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD11	19	0.21
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD12	19	0.21
(1,1365)	1:75:A:ILE:HD11	1:71:A:LEU:HD13	19	0.21
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD11	19	0.21
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD12	19	0.21
(1,1365)	1:75:A:ILE:HD12	1:71:A:LEU:HD13	19	0.21
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD11	19	0.21
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD12	19	0.21
(1,1365)	1:75:A:ILE:HD13	1:71:A:LEU:HD13	19	0.21
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	4	0.21
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	2	0.21
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	2	0.21
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	2	0.21
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	2	0.21
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	2	0.21
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	2	0.21
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	2	0.21
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	2	0.21
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	4	0.21
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	4	0.21
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	4	0.21
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	4	0.21
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	4	0.21
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	4	0.21
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	4	0.21
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	4	0.21
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	4	0.21
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	7	0.21
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	7	0.21
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	15	0.21
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	15	0.21
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	20	0.21
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	20	0.21
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	20	0.21
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	20	0.21
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	20	0.21
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	20	0.21
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	10	0.21
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	10	0.21
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	10	0.21
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	10	0.21
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	10	0.21
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	10	0.21
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG11	18	0.21
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG12	18	0.21
(1,1208)	1:70:A:PRO:HG2	1:69:A:VAL:HG13	18	0.21
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG11	18	0.21
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG12	18	0.21
(1,1208)	1:70:A:PRO:HG3	1:69:A:VAL:HG13	18	0.21
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD11	3	0.21
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD12	3	0.21
(1,1194)	1:136:A:GLU:HG2	1:123:A:LEU:HD13	3	0.21
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD11	3	0.21
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD12	3	0.21
(1,1194)	1:136:A:GLU:HG3	1:123:A:LEU:HD13	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	5	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	5	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	5	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	5	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	5	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	5	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	9	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	9	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	9	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	9	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	9	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	9	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	12	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	12	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	12	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	12	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	12	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	12	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	16	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	16	0.21
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	16	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	16	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	16	0.21
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	16	0.21
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD21	15	0.21
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD22	15	0.21
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD23	15	0.21
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD21	15	0.21
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD22	15	0.21
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD23	15	0.21
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	5	0.21
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	5	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	5	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	5	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	5	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	5	0.21
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	6	0.21
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	6	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	6	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	6	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	6	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	12	0.21
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	12	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	12	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	12	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	12	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	12	0.21
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	20	0.21
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	20	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	20	0.21
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	20	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	20	0.21
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	20	0.21
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG21	9	0.21
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG22	9	0.21
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG23	9	0.21
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG21	3	0.21
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG22	3	0.21
(1,1010)	1:98:A:VAL:HA	1:98:A:VAL:HG23	3	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	8	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	8	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	8	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	11	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	11	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	11	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	12	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	12	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	12	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	17	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	17	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	17	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	18	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	18	0.21
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	18	0.21
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	19	0.21
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	19	0.21
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	19	0.21
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	19	0.21
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	19	0.21
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	3	0.21
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	3	0.21
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	3	0.21
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	4	0.21
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	4	0.21
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	4	0.21
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	4	0.21
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	4	0.21
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	19	0.21
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	19	0.21
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	19	0.21
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	19	0.21
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	19	0.21
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	19	0.21
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	10	0.21
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	10	0.21
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	10	0.21
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	10	0.21
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	10	0.21
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	10	0.21
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	10	0.21
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	10	0.21
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	10	0.21
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	2	0.21
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	2	0.21
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	2	0.21
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	10	0.21
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	10	0.21
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	10	0.21
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	10	0.21
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	10	0.21
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	10	0.21
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	9	0.21
(1,28)	1:141:A:VAL:HG21	1:144:A:TRP:HE3	16	0.21
(1,28)	1:141:A:VAL:HG22	1:144:A:TRP:HE3	16	0.21
(1,28)	1:141:A:VAL:HG23	1:144:A:TRP:HE3	16	0.21
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	3	0.2
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	3	0.2
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	4	0.2
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	4	0.2
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	11	0.2
(1,4027)	1:132:A:GLU:HA	1:135:A:THR:H	16	0.2
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	2	0.2
(1,3861)	1:113:A:GLU:HG2	1:114:A:GLN:H	4	0.2
(1,3861)	1:113:A:GLU:HG3	1:114:A:GLN:H	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3861)	1:113:A:GLU:HG2	1:114:A:GLN:H	6	0.2
(1,3861)	1:113:A:GLU:HG3	1:114:A:GLN:H	6	0.2
(1,3861)	1:113:A:GLU:HG2	1:114:A:GLN:H	8	0.2
(1,3861)	1:113:A:GLU:HG3	1:114:A:GLN:H	8	0.2
(1,3861)	1:113:A:GLU:HG2	1:114:A:GLN:H	16	0.2
(1,3861)	1:113:A:GLU:HG3	1:114:A:GLN:H	16	0.2
(1,3861)	1:113:A:GLU:HG2	1:114:A:GLN:H	18	0.2
(1,3861)	1:113:A:GLU:HG3	1:114:A:GLN:H	18	0.2
(1,3767)	1:97:A:TYR:HA	1:98:A:VAL:H	5	0.2
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	11	0.2
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	11	0.2
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	11	0.2
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	5	0.2
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	5	0.2
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	5	0.2
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	13	0.2
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	13	0.2
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	13	0.2
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	14	0.2
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	14	0.2
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	14	0.2
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	16	0.2
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	16	0.2
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	16	0.2
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	13	0.2
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	13	0.2
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	11	0.2
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	19	0.2
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	6	0.2
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	6	0.2
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	3	0.2
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	3	0.2
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	3	0.2
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	3	0.2
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	3	0.2
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	3	0.2
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	10	0.2
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	10	0.2
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	10	0.2
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	10	0.2
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	10	0.2
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	15	0.2
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	15	0.2
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	15	0.2
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	15	0.2
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	15	0.2
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	15	0.2
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	4	0.2
(1,2873)	1:104:A:GLY:HA2	1:89:A:VAL:HG11	5	0.2
(1,2873)	1:104:A:GLY:HA2	1:89:A:VAL:HG12	5	0.2
(1,2873)	1:104:A:GLY:HA2	1:89:A:VAL:HG13	5	0.2
(1,2873)	1:104:A:GLY:HA3	1:89:A:VAL:HG11	5	0.2
(1,2873)	1:104:A:GLY:HA3	1:89:A:VAL:HG12	5	0.2
(1,2873)	1:104:A:GLY:HA3	1:89:A:VAL:HG13	5	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	5	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	5	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	5	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	13	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	13	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	13	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	14	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	14	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	14	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	16	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	16	0.2
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	16	0.2
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG2	9	0.2
(1,2641)	1:89:A:VAL:HG21	1:122:A:MET:HG3	9	0.2
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG2	9	0.2
(1,2641)	1:89:A:VAL:HG22	1:122:A:MET:HG3	9	0.2
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG2	9	0.2
(1,2641)	1:89:A:VAL:HG23	1:122:A:MET:HG3	9	0.2
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	11	0.2
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	11	0.2
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	11	0.2
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD11	4	0.2
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD12	4	0.2
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD13	4	0.2
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD11	19	0.2
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD12	19	0.2
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD13	19	0.2
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	2	0.2
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	7	0.2
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	7	0.2
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	7	0.2
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	7	0.2
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	7	0.2
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	10	0.2
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	10	0.2
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	10	0.2
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	10	0.2
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	10	0.2
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	10	0.2
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	13	0.2
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	13	0.2
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	13	0.2
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	13	0.2
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	13	0.2
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	13	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG2	4	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG3	4	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG2	6	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG3	6	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG2	8	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG3	8	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG2	16	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG3	16	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG2	18	0.2
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG3	18	0.2
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	11	0.2
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	11	0.2
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	11	0.2
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	11	0.2
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	11	0.2
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	11	0.2
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	11	0.2
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	11	0.2
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	11	0.2
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	11	0.2
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	11	0.2
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	11	0.2
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	12	0.2
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	12	0.2
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	12	0.2
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	12	0.2
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	12	0.2
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	12	0.2
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	12	0.2
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	12	0.2
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	12	0.2
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	12	0.2
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	12	0.2
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	9	0.2
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	2	0.2
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	2	0.2
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	2	0.2
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	5	0.2
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	5	0.2
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	5	0.2
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	3	0.2
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	3	0.2
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	3	0.2
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	3	0.2
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	3	0.2
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	3	0.2
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	3	0.2
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	3	0.2
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	3	0.2
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	10	0.2
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	12	0.2
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	13	0.2
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	17	0.2
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	18	0.2
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	8	0.2
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	8	0.2
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	8	0.2
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	8	0.2
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	8	0.2
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	8	0.2
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	8	0.2
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	8	0.2
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	8	0.2
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	17	0.2
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	17	0.2
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	17	0.2
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	17	0.2
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	17	0.2
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	17	0.2
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	17	0.2
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	17	0.2
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	16	0.2
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	16	0.2
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	20	0.2
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	20	0.2
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	20	0.2
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	20	0.2
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	20	0.2
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	20	0.2
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	20	0.2
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	20	0.2
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	20	0.2
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	11	0.2
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	11	0.2
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	11	0.2
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	11	0.2
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	11	0.2
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	11	0.2
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	8	0.2
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	8	0.2
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	8	0.2
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	8	0.2
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	8	0.2
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	8	0.2
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	10	0.2
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	10	0.2
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	10	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	10	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	10	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	10	0.2
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	13	0.2
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	13	0.2
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	13	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	13	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	13	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	13	0.2
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	20	0.2
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	20	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	20	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	20	0.2
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	20	0.2
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	10	0.2
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	10	0.2
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	10	0.2
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	10	0.2
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	10	0.2
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	10	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	4	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	4	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	4	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	6	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	6	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	6	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	9	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	9	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	9	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	13	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	13	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	13	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	14	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	14	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	14	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	15	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	15	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	15	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	16	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	16	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	16	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	19	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	19	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	19	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	20	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	20	0.2
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	20	0.2
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD21	18	0.2
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD22	18	0.2
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD23	18	0.2
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	2	0.2
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	2	0.2
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	17	0.2
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	17	0.2
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	17	0.2
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	5	0.2
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	5	0.2
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	5	0.2
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD11	14	0.2
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD12	14	0.2
(1,650)	1:148:A:LEU:H	1:148:A:LEU:HD13	14	0.2
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	4	0.2
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	4	0.2
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	4	0.2
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	7	0.2
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	7	0.2
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	7	0.2
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	6	0.2
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	6	0.2
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	6	0.2
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	6	0.2
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	6	0.2
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	6	0.2
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	11	0.2
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	11	0.2
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	11	0.2
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	11	0.2
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	11	0.2
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	11	0.2
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD21	13	0.2
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD22	13	0.2
(1,509)	1:45:A:LEU:H	1:45:A:LEU:HD23	13	0.2
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	10	0.19
(1,4213)	1:69:A:VAL:HG11	1:73:A:GLN:HE21	11	0.19
(1,4213)	1:69:A:VAL:HG11	1:73:A:GLN:HE22	11	0.19
(1,4213)	1:69:A:VAL:HG12	1:73:A:GLN:HE21	11	0.19
(1,4213)	1:69:A:VAL:HG12	1:73:A:GLN:HE22	11	0.19
(1,4213)	1:69:A:VAL:HG13	1:73:A:GLN:HE21	11	0.19
(1,4213)	1:69:A:VAL:HG13	1:73:A:GLN:HE22	11	0.19
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	4	0.19
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	2	0.19
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	17	0.19
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	11	0.19
(1,3861)	1:113:A:GLU:HG2	1:114:A:GLN:H	11	0.19
(1,3861)	1:113:A:GLU:HG3	1:114:A:GLN:H	11	0.19
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	6	0.19
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	6	0.19
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	12	0.19
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	12	0.19
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	11	0.19
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	2	0.19
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	3	0.19
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	19	0.19
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	20	0.19
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	5	0.19
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	5	0.19
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	5	0.19
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	1	0.19
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	1	0.19
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	1	0.19
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	6	0.19
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	6	0.19
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	6	0.19
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	12	0.19
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	12	0.19
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	12	0.19
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	4	0.19
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	4	0.19
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	10	0.19
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	10	0.19
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	18	0.19
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	18	0.19
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	17	0.19
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	17	0.19
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	17	0.19
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	3	0.19
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	3	0.19
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	3	0.19
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	20	0.19
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	20	0.19
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	20	0.19
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	3	0.19
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	15	0.19
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	15	0.19
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	2	0.19
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	17	0.19
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	17	0.19
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	17	0.19
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	17	0.19
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	17	0.19
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	17	0.19
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	17	0.19
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	2	0.19
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	2	0.19
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	2	0.19
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	2	0.19
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	2	0.19
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	2	0.19
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD11	16	0.19
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD12	16	0.19
(1,2984)	1:124:A:LEU:HB2	1:123:A:LEU:HD13	16	0.19
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD11	16	0.19
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD12	16	0.19
(1,2984)	1:124:A:LEU:HB3	1:123:A:LEU:HD13	16	0.19
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	18	0.19
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	14	0.19
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	14	0.19
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	14	0.19
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	20	0.19
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	20	0.19
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	20	0.19
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG11	11	0.19
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG12	11	0.19
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG13	11	0.19
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG11	11	0.19
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG12	11	0.19
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG13	11	0.19
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	11	0.19
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	11	0.19
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	11	0.19
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	15	0.19
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	15	0.19
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	15	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	1	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	1	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	6	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	6	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	6	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	12	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	12	0.19
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	12	0.19
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	5	0.19
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	5	0.19
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	5	0.19
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	5	0.19
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	5	0.19
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	5	0.19
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	1	0.19
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	9	0.19
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	17	0.19
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	9	0.19
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	9	0.19
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	9	0.19
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	9	0.19
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	9	0.19
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	9	0.19
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	3	0.19
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	3	0.19
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	3	0.19
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	3	0.19
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	3	0.19
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	3	0.19
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	3	0.19
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	3	0.19
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	3	0.19
(1,2396)	1:89:A:VAL:HG21	1:89:A:VAL:HA	8	0.19
(1,2396)	1:89:A:VAL:HG22	1:89:A:VAL:HA	8	0.19
(1,2396)	1:89:A:VAL:HG23	1:89:A:VAL:HA	8	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	8	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	8	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	8	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	10	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	10	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	10	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	13	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	13	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	14	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	14	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	14	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	17	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	17	0.19
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	17	0.19
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	8	0.19
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	19	0.19
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG2	11	0.19
(1,2246)	1:114:A:GLN:H	1:113:A:GLU:HG3	11	0.19
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	3	0.19
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	8	0.19
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	10	0.19
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	11	0.19
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	12	0.19
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	16	0.19
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	18	0.19
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	19	0.19
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	5	0.19
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	5	0.19
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	5	0.19
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	11	0.19
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	11	0.19
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	11	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	11	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	11	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	11	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	11	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	11	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	11	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	11	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	11	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	11	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	17	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	17	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	17	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	17	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	17	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	17	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	17	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	17	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	20	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	20	0.19
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	20	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	20	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	20	0.19
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	20	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	20	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	20	0.19
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	20	0.19
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	9	0.19
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	9	0.19
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	9	0.19
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	1	0.19
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	1	0.19
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	2	0.19
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	2	0.19
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	13	0.19
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	13	0.19
(1,1536)	1:50:A:LYS:HG2	1:50:A:LYS:HA	19	0.19
(1,1536)	1:50:A:LYS:HG3	1:50:A:LYS:HA	19	0.19
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	10	0.19
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	10	0.19
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	10	0.19
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	10	0.19
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	10	0.19
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	10	0.19
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	10	0.19
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	10	0.19
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	10	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	1	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	2	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	3	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	5	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	6	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	7	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	8	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	9	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	11	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	14	0.19
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	20	0.19
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	11	0.19
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	11	0.19
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG11	8	0.19
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG12	8	0.19
(1,1214)	1:7:A:PHE:HB2	1:54:A:VAL:HG13	8	0.19
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG11	8	0.19
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG12	8	0.19
(1,1214)	1:7:A:PHE:HB3	1:54:A:VAL:HG13	8	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	1	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	1	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	1	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	1	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	1	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	1	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	6	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	6	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	6	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	6	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	6	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	6	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	7	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	7	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	7	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	7	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	7	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	7	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	10	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	10	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	10	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	10	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	10	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	10	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	14	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	14	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	14	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	14	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	14	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	14	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	16	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	16	0.19
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	16	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	16	0.19
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	16	0.19
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG21	8	0.19
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG22	8	0.19
(1,1014)	1:89:A:VAL:HA	1:89:A:VAL:HG23	8	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	1	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	1	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	1	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	2	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	2	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	2	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	7	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	7	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	7	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	10	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	10	0.19
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	10	0.19
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	13	0.19
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	13	0.19
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	13	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	1	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	1	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	1	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	4	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	4	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	4	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	5	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	5	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	5	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	6	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	6	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	6	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	8	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	8	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	8	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	11	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	11	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	11	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	12	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	12	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	13	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	13	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	13	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	14	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	14	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	14	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	18	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	18	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	18	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	20	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	20	0.19
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	20	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	1	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	1	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	1	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	8	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	8	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	8	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	16	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	16	0.19
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	16	0.19
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	17	0.19
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	17	0.19
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	17	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	1	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	1	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	1	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	2	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	2	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	2	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	5	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	5	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	5	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	6	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	6	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	6	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	10	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	10	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	10	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	11	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	11	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	13	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	13	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	13	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	14	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	14	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	14	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	19	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	19	0.19
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	19	0.19
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG11	2	0.19
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG12	2	0.19
(1,619)	1:87:A:TYR:HD1	1:89:A:VAL:HG13	2	0.19
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG11	2	0.19
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG12	2	0.19
(1,619)	1:87:A:TYR:HD2	1:89:A:VAL:HG13	2	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	2	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	2	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	2	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	2	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	2	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	2	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	4	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	4	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	4	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	4	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	4	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	4	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	16	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	16	0.19
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	16	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	16	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	16	0.19
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	16	0.19
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	6	0.19
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	6	0.19
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	6	0.19
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	6	0.19
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	6	0.19
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	6	0.19
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	18	0.19
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	18	0.19
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	18	0.19
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	18	0.19
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	18	0.19
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	5	0.19
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	1	0.18
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	1	0.18
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	20	0.18
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	20	0.18
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	16	0.18
(1,4269)	1:121:A:GLU:HG2	1:140:A:TRP:HE1	9	0.18
(1,4269)	1:121:A:GLU:HG3	1:140:A:TRP:HE1	9	0.18
(1,4213)	1:69:A:VAL:HG11	1:73:A:GLN:HE21	6	0.18
(1,4213)	1:69:A:VAL:HG11	1:73:A:GLN:HE22	6	0.18
(1,4213)	1:69:A:VAL:HG12	1:73:A:GLN:HE21	6	0.18
(1,4213)	1:69:A:VAL:HG12	1:73:A:GLN:HE22	6	0.18
(1,4213)	1:69:A:VAL:HG13	1:73:A:GLN:HE21	6	0.18
(1,4213)	1:69:A:VAL:HG13	1:73:A:GLN:HE22	6	0.18
(1,4213)	1:69:A:VAL:HG11	1:73:A:GLN:HE21	12	0.18
(1,4213)	1:69:A:VAL:HG11	1:73:A:GLN:HE22	12	0.18
(1,4213)	1:69:A:VAL:HG12	1:73:A:GLN:HE21	12	0.18
(1,4213)	1:69:A:VAL:HG12	1:73:A:GLN:HE22	12	0.18
(1,4213)	1:69:A:VAL:HG13	1:73:A:GLN:HE21	12	0.18
(1,4213)	1:69:A:VAL:HG13	1:73:A:GLN:HE22	12	0.18
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	6	0.18
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	11	0.18
(1,3885)	1:85:A:LEU:HD21	1:117:A:GLN:H	8	0.18
(1,3885)	1:85:A:LEU:HD22	1:117:A:GLN:H	8	0.18
(1,3885)	1:85:A:LEU:HD23	1:117:A:GLN:H	8	0.18
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	3	0.18
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	9	0.18
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	16	0.18
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	8	0.18
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	15	0.18
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	18	0.18
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	4	0.18
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	4	0.18
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	2	0.18
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	2	0.18
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	2	0.18
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	6	0.18
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	6	0.18
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	1	0.18
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	4	0.18
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	4	0.18
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	7	0.18
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	17	0.18
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	18	0.18
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	20	0.18
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	20	0.18
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	20	0.18
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	15	0.18
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	15	0.18
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	15	0.18
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	15	0.18
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	15	0.18
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	15	0.18
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	8	0.18
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	8	0.18
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	8	0.18
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	8	0.18
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	8	0.18
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	8	0.18
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	11	0.18
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	11	0.18
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	11	0.18
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	18	0.18
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	18	0.18
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	18	0.18
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	2	0.18
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	2	0.18
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	5	0.18
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	5	0.18
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	5	0.18
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	12	0.18
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	12	0.18
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	12	0.18
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	8	0.18
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	16	0.18
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	17	0.18
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	6	0.18
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	6	0.18
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	6	0.18
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	17	0.18
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	5	0.18
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	5	0.18
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	8	0.18
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD2	16	0.18
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD3	16	0.18
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	6	0.18
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	8	0.18
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	11	0.18
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	16	0.18
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	6	0.18
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	6	0.18
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	4	0.18
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	4	0.18
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	6	0.18
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	6	0.18
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	8	0.18
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	8	0.18
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	15	0.18
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	15	0.18
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	16	0.18
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	16	0.18
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	20	0.18
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	20	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG11	6	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG12	6	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG13	6	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG11	6	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG12	6	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG13	6	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG11	12	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG12	12	0.18
(1,2750)	1:73:A:GLN:HE21	1:69:A:VAL:HG13	12	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG11	12	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG12	12	0.18
(1,2750)	1:73:A:GLN:HE22	1:69:A:VAL:HG13	12	0.18
(1,2743)	1:64:A:LEU:HD21	1:69:A:VAL:HA	6	0.18
(1,2743)	1:64:A:LEU:HD22	1:69:A:VAL:HA	6	0.18
(1,2743)	1:64:A:LEU:HD23	1:69:A:VAL:HA	6	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	8	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	8	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	11	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	11	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	11	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	18	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	18	0.18
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	18	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	3	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	3	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	3	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	10	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	10	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	10	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	13	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	13	0.18
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	13	0.18
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	3	0.18
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	3	0.18
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	15	0.18
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	15	0.18
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	3	0.18
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	20	0.18
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	20	0.18
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	20	0.18
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD11	15	0.18
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD12	15	0.18
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD13	15	0.18
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	1	0.18
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	1	0.18
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	1	0.18
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	1	0.18
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	1	0.18
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	1	0.18
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	11	0.18
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	11	0.18
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	11	0.18
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	11	0.18
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	11	0.18
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	11	0.18
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG21	4	0.18
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG22	4	0.18
(1,2406)	1:9:A:GLY:HA2	1:8:A:VAL:HG23	4	0.18
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG21	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG22	4	0.18
(1,2406)	1:9:A:GLY:HA3	1:8:A:VAL:HG23	4	0.18
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	10	0.18
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	13	0.18
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	13	0.18
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	13	0.18
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	5	0.18
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	5	0.18
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	14	0.18
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	14	0.18
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	19	0.18
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	19	0.18
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	1	0.18
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	2	0.18
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	13	0.18
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	17	0.18
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	20	0.18
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	3	0.18
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	3	0.18
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	3	0.18
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	10	0.18
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	10	0.18
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	10	0.18
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	13	0.18
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	13	0.18
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	13	0.18
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	4	0.18
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	4	0.18
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	4	0.18
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	5	0.18
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	5	0.18
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	5	0.18
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	1	0.18
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	1	0.18
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	1	0.18
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	17	0.18
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	17	0.18
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	17	0.18
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	14	0.18
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	14	0.18
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	14	0.18
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	14	0.18
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	14	0.18
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	14	0.18
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	14	0.18
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	14	0.18
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	12	0.18
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	12	0.18
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	12	0.18
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	2	0.18
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	2	0.18
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	2	0.18
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	2	0.18
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	2	0.18
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	2	0.18
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	16	0.18
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	16	0.18
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	16	0.18
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	16	0.18
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	16	0.18
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	16	0.18
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	5	0.18
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	5	0.18
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	8	0.18
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	8	0.18
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	10	0.18
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	10	0.18
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	16	0.18
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	16	0.18
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	20	0.18
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	20	0.18
(1,1536)	1:50:A:LYS:HG2	1:50:A:LYS:HA	14	0.18
(1,1536)	1:50:A:LYS:HG3	1:50:A:LYS:HA	14	0.18
(1,1536)	1:50:A:LYS:HG2	1:50:A:LYS:HA	17	0.18
(1,1536)	1:50:A:LYS:HG3	1:50:A:LYS:HA	17	0.18
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	16	0.18
(1,1340)	1:110:A:LEU:HG	1:110:A:LEU:HA	19	0.18
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	6	0.18
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	6	0.18
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	6	0.18
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	6	0.18
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	6	0.18
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	6	0.18
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	6	0.18
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	6	0.18
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	1	0.18
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	1	0.18
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	1	0.18
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	1	0.18
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	1	0.18
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	1	0.18
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	1	0.18
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	1	0.18
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	1	0.18
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	2	0.18
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	2	0.18
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	2	0.18
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	2	0.18
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	2	0.18
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	2	0.18
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	2	0.18
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	2	0.18
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	2	0.18
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	10	0.18
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	10	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	2	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	2	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	2	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	2	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	2	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	2	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	11	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	11	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	11	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	11	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	11	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	11	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	13	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	13	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	13	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	13	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	13	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	13	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	15	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	15	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	15	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	15	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	15	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	20	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	20	0.18
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	20	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	20	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	20	0.18
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	20	0.18
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	20	0.18
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	20	0.18
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	20	0.18
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	20	0.18
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	20	0.18
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	20	0.18
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	2	0.18
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	2	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	6	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	6	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	6	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	10	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	10	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	10	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	14	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	14	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	14	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	17	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	17	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	17	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	20	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	20	0.18
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	20	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	8	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	8	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	8	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	9	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	9	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	9	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	15	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	15	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	20	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	20	0.18
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	20	0.18
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	13	0.18
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	13	0.18
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	13	0.18
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	13	0.18
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	13	0.18
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	13	0.18
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	7	0.18
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	7	0.18
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	7	0.18
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	11	0.18
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	11	0.18
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	11	0.18
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	13	0.18
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	13	0.18
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	13	0.18
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	5	0.18
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	5	0.18
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	5	0.18
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	5	0.18
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	5	0.18
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	5	0.18
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	10	0.18
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	16	0.18
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	11	0.18
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	1	0.18
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	2	0.18
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	5	0.18
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	9	0.18
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	11	0.18
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	15	0.18
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	19	0.18
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	17	0.17
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	17	0.17
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	18	0.17
(1,4269)	1:121:A:GLU:HG2	1:140:A:TRP:HE1	20	0.17
(1,4269)	1:121:A:GLU:HG3	1:140:A:TRP:HE1	20	0.17
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	3	0.17
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	14	0.17
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	10	0.17
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	13	0.17
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	19	0.17
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	14	0.17
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	10	0.17
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	13	0.17
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	8	0.17
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	11	0.17
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	14	0.17
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	3	0.17
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	16	0.17
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	2	0.17
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	2	0.17
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	2	0.17
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	2	0.17
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	2	0.17
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	2	0.17
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	19	0.17
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	19	0.17
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	19	0.17
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	19	0.17
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	19	0.17
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	19	0.17
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	17	0.17
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	17	0.17
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	17	0.17
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	20	0.17
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	20	0.17
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	20	0.17
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	15	0.17
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	15	0.17
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	20	0.17
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	20	0.17
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	20	0.17
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	1	0.17
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	5	0.17
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	6	0.17
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	7	0.17
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	9	0.17
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	12	0.17
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	20	0.17
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	2	0.17
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	2	0.17
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	2	0.17
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	9	0.17
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	9	0.17
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	9	0.17
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	10	0.17
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	10	0.17
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	10	0.17
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	11	0.17
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	11	0.17
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	11	0.17
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	14	0.17
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	14	0.17
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	14	0.17
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	15	0.17
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	15	0.17
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	15	0.17
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	16	0.17
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	16	0.17
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	16	0.17
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	7	0.17
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	7	0.17
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	13	0.17
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	13	0.17
(1,3166)	1:3:A:GLU:HG2	1:4:A:ILE:H	15	0.17
(1,3166)	1:3:A:GLU:HG3	1:4:A:ILE:H	15	0.17
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB2	2	0.17
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB3	2	0.17
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB2	2	0.17
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB3	2	0.17
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	13	0.17
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	13	0.17
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	13	0.17
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	13	0.17
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	13	0.17
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	13	0.17
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD11	3	0.17
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD12	3	0.17
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD13	3	0.17
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	7	0.17
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	7	0.17
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	5	0.17
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	5	0.17
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	11	0.17
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	11	0.17
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	14	0.17
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	14	0.17
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	18	0.17
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	18	0.17
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD11	10	0.17
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD12	10	0.17
(1,2849)	1:87:A:TYR:HD1	1:85:A:LEU:HD13	10	0.17
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD11	10	0.17
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD12	10	0.17
(1,2849)	1:87:A:TYR:HD2	1:85:A:LEU:HD13	10	0.17
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	14	0.17
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	14	0.17
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	14	0.17
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	17	0.17
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	17	0.17
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	17	0.17
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	4	0.17
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	4	0.17
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	4	0.17
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	17	0.17
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	17	0.17
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	17	0.17
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	20	0.17
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	20	0.17
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	20	0.17
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	12	0.17
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	12	0.17
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	12	0.17
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	12	0.17
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	12	0.17
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	12	0.17
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	14	0.17
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	14	0.17
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	2	0.17
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	5	0.17
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	11	0.17
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	12	0.17
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD11	18	0.17
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD12	18	0.17
(1,2515)	1:149:A:SER:H	1:26:A:LEU:HD13	18	0.17
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	7	0.17
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	7	0.17
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	7	0.17
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	3	0.17
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	3	0.17
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	3	0.17
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	3	0.17
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	3	0.17
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	3	0.17
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	5	0.17
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	5	0.17
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	5	0.17
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	5	0.17
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	5	0.17
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	5	0.17
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	17	0.17
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	17	0.17
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	17	0.17
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	17	0.17
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	17	0.17
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	17	0.17
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	4	0.17
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	4	0.17
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	4	0.17
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	6	0.17
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	6	0.17
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	6	0.17
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	4	0.17
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	5	0.17
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	14	0.17
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	9	0.17
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	9	0.17
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	9	0.17
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	10	0.17
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	10	0.17
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	10	0.17
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	20	0.17
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	20	0.17
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	3	0.17
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	3	0.17
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	4	0.17
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	4	0.17
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	11	0.17
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	11	0.17
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	20	0.17
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	20	0.17
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	7	0.17
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	7	0.17
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	7	0.17
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	7	0.17
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	7	0.17
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	7	0.17
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	7	0.17
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	7	0.17
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	7	0.17
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	7	0.17
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	7	0.17
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	7	0.17
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	18	0.17
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	18	0.17
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	18	0.17
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	18	0.17
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	18	0.17
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	18	0.17
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB2	18	0.17
(1,2225)	1:141:A:VAL:HG11	1:140:A:TRP:HB3	18	0.17
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB2	18	0.17
(1,2225)	1:141:A:VAL:HG12	1:140:A:TRP:HB3	18	0.17
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB2	18	0.17
(1,2225)	1:141:A:VAL:HG13	1:140:A:TRP:HB3	18	0.17
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	5	0.17
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	6	0.17
(1,2220)	1:140:A:TRP:H	1:141:A:VAL:HB	14	0.17
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	11	0.17
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	11	0.17
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	11	0.17
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	2	0.17
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	2	0.17
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	8	0.17
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	8	0.17
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	8	0.17
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	10	0.17
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	10	0.17
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	10	0.17
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	12	0.17
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	12	0.17
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	12	0.17
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	12	0.17
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	12	0.17
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	12	0.17
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	12	0.17
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	12	0.17
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	12	0.17
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	8	0.17
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	8	0.17
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	8	0.17
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	17	0.17
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	17	0.17
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	17	0.17
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	7	0.17
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	7	0.17
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	7	0.17
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	19	0.17
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	19	0.17
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	19	0.17
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	9	0.17
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	9	0.17
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	11	0.17
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	11	0.17
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	12	0.17
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	12	0.17
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	14	0.17
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	14	0.17
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	17	0.17
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	17	0.17
(1,1536)	1:50:A:LYS:HG2	1:50:A:LYS:HA	3	0.17
(1,1536)	1:50:A:LYS:HG3	1:50:A:LYS:HA	3	0.17
(1,1536)	1:50:A:LYS:HG2	1:50:A:LYS:HA	12	0.17
(1,1536)	1:50:A:LYS:HG3	1:50:A:LYS:HA	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	8	0.17
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	8	0.17
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	8	0.17
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	8	0.17
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	8	0.17
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	8	0.17
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	8	0.17
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	8	0.17
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	8	0.17
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	16	0.17
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	16	0.17
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	16	0.17
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	16	0.17
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	16	0.17
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	16	0.17
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	16	0.17
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	16	0.17
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	16	0.17
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	2	0.17
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	2	0.17
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	2	0.17
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	2	0.17
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	2	0.17
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	2	0.17
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	2	0.17
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	2	0.17
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	2	0.17
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	2	0.17
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	2	0.17
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	2	0.17
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	2	0.17
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	2	0.17
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	2	0.17
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG21	11	0.17
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG22	11	0.17
(1,1181)	1:21:A:GLU:HB2	1:141:A:VAL:HG23	11	0.17
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG21	11	0.17
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG22	11	0.17
(1,1181)	1:21:A:GLU:HB3	1:141:A:VAL:HG23	11	0.17
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD11	7	0.17
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD12	7	0.17
(1,1148)	1:125:A:ILE:HB	1:92:A:LEU:HD13	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	1	0.17
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	1	0.17
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	1	0.17
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	1	0.17
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	1	0.17
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	1	0.17
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	3	0.17
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	3	0.17
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	3	0.17
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	3	0.17
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	3	0.17
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	3	0.17
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	12	0.17
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	12	0.17
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	12	0.17
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	12	0.17
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	12	0.17
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	12	0.17
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	17	0.17
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	17	0.17
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	17	0.17
(1,711)	1:96:A:SER:H	1:94:A:ASP:HA	14	0.17
(1,711)	1:96:A:SER:H	1:94:A:ASP:HA	17	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	9	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	9	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	9	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	10	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	10	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	10	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	15	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	15	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	15	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	16	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	16	0.17
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	16	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	2	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	2	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	2	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	13	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	13	0.17
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	13	0.17
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	16	0.17
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	16	0.17
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	18	0.17
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	18	0.17
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	18	0.17
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	3	0.17
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	3	0.17
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	3	0.17
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	3	0.17
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	3	0.17
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	3	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	4	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	4	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	4	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	8	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	8	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	8	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	16	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	16	0.17
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	16	0.17
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	4	0.17
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	4	0.17
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	4	0.17
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	3	0.17
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	12	0.17
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	14	0.17
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	16	0.17
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	16	0.17
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	16	0.17
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	16	0.17
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	16	0.17
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	16	0.17
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	1	0.17
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	1	0.17
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	2	0.17
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	6	0.17
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	7	0.17
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	9	0.17
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	13	0.17
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	15	0.17
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	16	0.17
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	4	0.17
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	6	0.17
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	7	0.17
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	8	0.17
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	10	0.17
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	13	0.17
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	17	0.17
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	18	0.17
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	20	0.17
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	4	0.17
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	11	0.16
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	11	0.16
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	18	0.16
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	18	0.16
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	10	0.16
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	10	0.16
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	14	0.16
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	14	0.16
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	16	0.16
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	16	0.16
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	7	0.16
(1,4269)	1:121:A:GLU:HG2	1:140:A:TRP:HE1	10	0.16
(1,4269)	1:121:A:GLU:HG3	1:140:A:TRP:HE1	10	0.16
(1,4269)	1:121:A:GLU:HG2	1:140:A:TRP:HE1	11	0.16
(1,4269)	1:121:A:GLU:HG3	1:140:A:TRP:HE1	11	0.16
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	7	0.16
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	11	0.16
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	18	0.16
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	20	0.16
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	3	0.16
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	11	0.16
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	12	0.16
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	19	0.16
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	7	0.16
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	12	0.16
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	14	0.16
(1,3881)	1:115:A:SER:HB2	1:116:A:ALA:H	6	0.16
(1,3881)	1:115:A:SER:HB3	1:116:A:ALA:H	6	0.16
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	4	0.16
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	12	0.16
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	13	0.16
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	6	0.16
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	12	0.16
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	19	0.16
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	19	0.16
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	13	0.16
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	13	0.16
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	1	0.16
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	1	0.16
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	1	0.16
(1,3764)	1:98:A:VAL:HB	1:98:A:VAL:H	5	0.16
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	2	0.16
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	1	0.16
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	9	0.16
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	12	0.16
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	10	0.16
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	10	0.16
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	4	0.16
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	6	0.16
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	7	0.16
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	8	0.16
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	12	0.16
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	13	0.16
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	14	0.16
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	18	0.16
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	2	0.16
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	2	0.16
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	2	0.16
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	14	0.16
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	14	0.16
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	14	0.16
(1,3570)	1:41:A:LEU:HD21	1:74:A:GLY:H	19	0.16
(1,3570)	1:41:A:LEU:HD22	1:74:A:GLY:H	19	0.16
(1,3570)	1:41:A:LEU:HD23	1:74:A:GLY:H	19	0.16
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	1	0.16
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	1	0.16
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	1	0.16
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	1	0.16
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	1	0.16
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	1	0.16
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	3	0.16
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	3	0.16
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	3	0.16
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	3	0.16
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	3	0.16
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	4	0.16
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	4	0.16
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	4	0.16
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	4	0.16
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	4	0.16
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	4	0.16
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	2	0.16
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	2	0.16
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	2	0.16
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	10	0.16
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	10	0.16
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	10	0.16
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	11	0.16
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	11	0.16
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	16	0.16
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	16	0.16
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	13	0.16
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	13	0.16
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	13	0.16
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	18	0.16
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	19	0.16
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	20	0.16
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	4	0.16
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	4	0.16
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	4	0.16
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	16	0.16
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	16	0.16
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	16	0.16
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	14	0.16
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	1	0.16
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	1	0.16
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	1	0.16
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	7	0.16
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	7	0.16
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	7	0.16
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	8	0.16
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	8	0.16
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	8	0.16
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	12	0.16
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	12	0.16
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	13	0.16
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	13	0.16
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	13	0.16
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	17	0.16
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	17	0.16
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	17	0.16
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	2	0.16
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	2	0.16
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	16	0.16
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	16	0.16
(1,3166)	1:3:A:GLU:HG2	1:4:A:ILE:H	6	0.16
(1,3166)	1:3:A:GLU:HG3	1:4:A:ILE:H	6	0.16
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	4	0.16
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	4	0.16
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB2	18	0.16
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB3	18	0.16
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB2	18	0.16
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB3	18	0.16
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	11	0.16
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	19	0.16
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	12	0.16
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	12	0.16
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	12	0.16
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	12	0.16
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	12	0.16
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	12	0.16
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD2	3	0.16
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD3	3	0.16
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD2	8	0.16
(1,2966)	1:119:A:VAL:HB	1:118:A:ARG:HD3	8	0.16
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	4	0.16
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	4	0.16
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	8	0.16
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	8	0.16
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	18	0.16
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	18	0.16
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	1	0.16
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	1	0.16
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	2	0.16
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	3	0.16
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	3	0.16
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	1	0.16
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	1	0.16
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	1	0.16
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	20	0.16
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	20	0.16
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	20	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	5	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	5	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	5	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	10	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	10	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	10	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	15	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	15	0.16
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	15	0.16
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	19	0.16
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	2	0.16
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	2	0.16
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	2	0.16
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	10	0.16
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	10	0.16
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	10	0.16
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	9	0.16
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	9	0.16
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	9	0.16
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	17	0.16
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	17	0.16
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	17	0.16
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	8	0.16
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	8	0.16
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	11	0.16
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	11	0.16
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	12	0.16
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	2	0.16
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	2	0.16
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	2	0.16
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	14	0.16
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	14	0.16
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	14	0.16
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD21	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD22	19	0.16
(1,2574)	1:74:A:GLY:H	1:41:A:LEU:HD23	19	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	1	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	3	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	4	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	6	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	8	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	9	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	10	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	13	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	14	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	15	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	16	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	17	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	18	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	19	0.16
(1,2569)	1:125:A:ILE:HB	1:125:A:ILE:HA	20	0.16
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	11	0.16
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	11	0.16
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	20	0.16
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	20	0.16
(1,2512)	1:148:A:LEU:HG	1:26:A:LEU:HG	4	0.16
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	3	0.16
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	3	0.16
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	3	0.16
(1,2412)	1:112:A:GLN:H	1:108:A:ASP:HA	18	0.16
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA2	8	0.16
(1,2407)	1:71:A:LEU:HD21	1:9:A:GLY:HA3	8	0.16
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA2	8	0.16
(1,2407)	1:71:A:LEU:HD22	1:9:A:GLY:HA3	8	0.16
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA2	8	0.16
(1,2407)	1:71:A:LEU:HD23	1:9:A:GLY:HA3	8	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	7	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	7	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	7	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	12	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	12	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	12	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	19	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	19	0.16
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	19	0.16
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	20	0.16
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	2	0.16
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	2	0.16
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	2	0.16
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	18	0.16
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	18	0.16
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	18	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	2	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	2	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	8	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	8	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	13	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	13	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	16	0.16
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	16	0.16
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	1	0.16
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	1	0.16
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	1	0.16
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	1	0.16
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	1	0.16
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	1	0.16
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	1	0.16
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	1	0.16
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	1	0.16
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	1	0.16
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	1	0.16
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	1	0.16
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	9	0.16
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	9	0.16
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	9	0.16
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	17	0.16
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	17	0.16
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	17	0.16
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD11	18	0.16
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD12	18	0.16
(1,2064)	1:54:A:VAL:HG21	1:68:A:ILE:HD13	18	0.16
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD11	18	0.16
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD12	18	0.16
(1,2064)	1:54:A:VAL:HG22	1:68:A:ILE:HD13	18	0.16
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD11	18	0.16
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD12	18	0.16
(1,2064)	1:54:A:VAL:HG23	1:68:A:ILE:HD13	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	7	0.16
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	7	0.16
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	7	0.16
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	1	0.16
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	1	0.16
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	1	0.16
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	18	0.16
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	18	0.16
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	18	0.16
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	19	0.16
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	19	0.16
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	19	0.16
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	19	0.16
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	19	0.16
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	19	0.16
(1,1956)	1:148:A:LEU:HD11	1:119:A:VAL:HB	6	0.16
(1,1956)	1:148:A:LEU:HD12	1:119:A:VAL:HB	6	0.16
(1,1956)	1:148:A:LEU:HD13	1:119:A:VAL:HB	6	0.16
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	7	0.16
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	7	0.16
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	7	0.16
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	7	0.16
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	7	0.16
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	7	0.16
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	7	0.16
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	7	0.16
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	7	0.16
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	12	0.16
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	12	0.16
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	12	0.16
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	6	0.16
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	6	0.16
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	7	0.16
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	7	0.16
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	15	0.16
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	15	0.16
(1,1536)	1:50:A:LYS:HG2	1:50:A:LYS:HA	5	0.16
(1,1536)	1:50:A:LYS:HG3	1:50:A:LYS:HA	5	0.16
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	17	0.16
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	17	0.16
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	17	0.16
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	17	0.16
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	17	0.16
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	17	0.16
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	17	0.16
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	17	0.16
(1,1293)	1:125:A:ILE:HG12	1:123:A:LEU:HG	2	0.16
(1,1293)	1:125:A:ILE:HG13	1:123:A:LEU:HG	2	0.16
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	4	0.16
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	4	0.16
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	4	0.16
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	4	0.16
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	4	0.16
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	4	0.16
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	4	0.16
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	4	0.16
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	4	0.16
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	19	0.16
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	19	0.16
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	19	0.16
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	19	0.16
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	19	0.16
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	19	0.16
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	19	0.16
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	19	0.16
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	19	0.16
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	18	0.16
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	18	0.16
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	18	0.16
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	18	0.16
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	18	0.16
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	18	0.16
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG11	18	0.16
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG12	18	0.16
(1,1221)	1:99:A:ASN:HB2	1:98:A:VAL:HG13	18	0.16
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG11	18	0.16
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG12	18	0.16
(1,1221)	1:99:A:ASN:HB3	1:98:A:VAL:HG13	18	0.16
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	5	0.16
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	5	0.16
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	5	0.16
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	5	0.16
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	5	0.16
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	19	0.16
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	19	0.16
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	19	0.16
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	19	0.16
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	19	0.16
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	19	0.16
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	13	0.16
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	13	0.16
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	13	0.16
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	13	0.16
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	13	0.16
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	13	0.16
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	13	0.16
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	13	0.16
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	13	0.16
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	13	0.16
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	13	0.16
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	13	0.16
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	8	0.16
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	8	0.16
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	8	0.16
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	8	0.16
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	8	0.16
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	8	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	9	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	9	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	9	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	12	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	12	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	12	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	15	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	15	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	15	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	18	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	18	0.16
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	18	0.16
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	12	0.16
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	12	0.16
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	12	0.16
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	7	0.16
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	7	0.16
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	7	0.16
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	7	0.16
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	7	0.16
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	12	0.16
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	12	0.16
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	12	0.16
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	12	0.16
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	12	0.16
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	12	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG21	4	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG22	4	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG23	4	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG21	12	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG22	12	0.16
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG23	12	0.16
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	7	0.16
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	11	0.16
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	18	0.16
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	20	0.16
(1,401)	1:98:A:VAL:H	1:98:A:VAL:HB	5	0.16
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	6	0.16
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	11	0.16
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	13	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	4	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	5	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	10	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	11	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	16	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	18	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	19	0.16
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	20	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	1	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	7	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	10	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	11	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	12	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	13	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	17	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	18	0.16
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	19	0.16
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	6	0.16
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	8	0.16
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	13	0.16
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	18	0.16
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	3	0.16
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	12	0.16
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	14	0.16
(1,79)	1:54:A:VAL:H	1:54:A:VAL:HA	16	0.16
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	14	0.16
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	7	0.15
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	7	0.15
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	8	0.15
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	8	0.15
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	11	0.15
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	11	0.15
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	15	0.15
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	11	0.15
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	11	0.15
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	11	0.15
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	11	0.15
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	8	0.15
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	10	0.15
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	13	0.15
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	15	0.15
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	16	0.15
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	19	0.15
(1,4135)	1:142:A:GLU:H	1:145:A:GLY:H	4	0.15
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	4	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	1	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	2	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	3	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	4	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	5	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	6	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	7	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	8	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	9	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	10	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	11	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	12	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	13	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	15	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	17	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	18	0.15
(1,4036)	1:132:A:GLU:HA	1:132:A:GLU:H	20	0.15
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	2	0.15
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	8	0.15
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	9	0.15
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	13	0.15
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	14	0.15
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	15	0.15
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	17	0.15
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	11	0.15
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	11	0.15
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	5	0.15
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	16	0.15
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	7	0.15
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	13	0.15
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	15	0.15
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	20	0.15
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	9	0.15
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	14	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	1	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	3	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	5	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	7	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	9	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	10	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	11	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	13	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	14	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	17	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	18	0.15
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	20	0.15
(1,3825)	1:87:A:TYR:HE1	1:111:A:LEU:H	3	0.15
(1,3825)	1:87:A:TYR:HE2	1:111:A:LEU:H	3	0.15
(1,3824)	1:112:A:GLN:HE21	1:111:A:LEU:H	19	0.15
(1,3824)	1:112:A:GLN:HE22	1:111:A:LEU:H	19	0.15
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	18	0.15
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	18	0.15
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	12	0.15
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	13	0.15
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	10	0.15
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	17	0.15
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	20	0.15
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	1	0.15
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	1	0.15
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	2	0.15
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	2	0.15
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	5	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	5	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	5	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	5	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	5	0.15
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	5	0.15
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	7	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	7	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	7	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	7	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	7	0.15
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	7	0.15
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	8	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	8	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	8	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	8	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	8	0.15
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	8	0.15
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	9	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	9	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	9	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	9	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	9	0.15
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	9	0.15
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	10	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	10	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	10	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	10	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	10	0.15
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	10	0.15
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	11	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	11	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	11	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	11	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	11	0.15
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	16	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	16	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	16	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	16	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	16	0.15
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	16	0.15
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	18	0.15
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	18	0.15
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	18	0.15
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	18	0.15
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	18	0.15
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	18	0.15
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	9	0.15
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	9	0.15
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	9	0.15
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	15	0.15
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	15	0.15
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	15	0.15
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	7	0.15
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	7	0.15
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	3	0.15
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	4	0.15
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	6	0.15
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	6	0.15
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	6	0.15
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	6	0.15
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	17	0.15
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	17	0.15
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	17	0.15
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	4	0.15
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	4	0.15
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	4	0.15
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	5	0.15
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	5	0.15
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	5	0.15
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	18	0.15
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	18	0.15
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	18	0.15
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	19	0.15
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	19	0.15
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	3	0.15
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	3	0.15
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	8	0.15
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	8	0.15
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	14	0.15
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	14	0.15
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	8	0.15
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	8	0.15
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB2	7	0.15
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB3	7	0.15
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB2	7	0.15
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB3	7	0.15
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	1	0.15
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	6	0.15
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	10	0.15
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	18	0.15
(1,2949)	1:114:A:GLN:H	1:115:A:SER:HA	2	0.15
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	10	0.15
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	5	0.15
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	5	0.15
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	10	0.15
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	10	0.15
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	14	0.15
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	14	0.15
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	10	0.15
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	10	0.15
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	11	0.15
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	11	0.15
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	12	0.15
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	12	0.15
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	15	0.15
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	15	0.15
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	19	0.15
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	19	0.15
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	7	0.15
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	7	0.15
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	9	0.15
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	9	0.15
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	2	0.15
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	2	0.15
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	2	0.15
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	18	0.15
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	18	0.15
(1,2765)	1:91:A:ALA:H	1:123:A:LEU:HG	10	0.15
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	9	0.15
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	9	0.15
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	9	0.15
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	15	0.15
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	15	0.15
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	15	0.15
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	7	0.15
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	7	0.15
(1,2692)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	7	0.15
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	7	0.15
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	7	0.15
(1,2692)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	7	0.15
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	4	0.15
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	4	0.15
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	5	0.15
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	5	0.15
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	1	0.15
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	10	0.15
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	16	0.15
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	18	0.15
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	20	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	1	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	2	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	3	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	5	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	7	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	8	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	9	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	10	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	11	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	12	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	13	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	14	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	15	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	16	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	17	0.15
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	20	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	1	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	3	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	5	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	7	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	8	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	9	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	10	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	11	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	12	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	13	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	14	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	15	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	16	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	17	0.15
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	20	0.15
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	2	0.15
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	2	0.15
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	2	0.15
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	5	0.15
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	5	0.15
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	5	0.15
(1,2321)	1:4:A:ILE:H	1:2:A:ALA:HB1	6	0.15
(1,2321)	1:4:A:ILE:H	1:2:A:ALA:HB2	6	0.15
(1,2321)	1:4:A:ILE:H	1:2:A:ALA:HB3	6	0.15
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	19	0.15
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	8	0.15
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	8	0.15
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	8	0.15
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	1	0.15
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	1	0.15
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	11	0.15
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	11	0.15
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	11	0.15
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	11	0.15
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	11	0.15
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	11	0.15
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	11	0.15
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	11	0.15
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	11	0.15
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	11	0.15
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	11	0.15
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	11	0.15
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	16	0.15
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	16	0.15
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	16	0.15
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	16	0.15
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	16	0.15
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	16	0.15
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	16	0.15
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	16	0.15
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	16	0.15
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	16	0.15
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	16	0.15
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	1	0.15
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	1	0.15
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	1	0.15
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	20	0.15
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	20	0.15
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	20	0.15
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	18	0.15
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	18	0.15
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	18	0.15
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	18	0.15
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	18	0.15
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	18	0.15
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	18	0.15
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	18	0.15
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	18	0.15
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	1	0.15
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	1	0.15
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	1	0.15
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	9	0.15
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	9	0.15
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	9	0.15
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	13	0.15
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	13	0.15
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	13	0.15
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	13	0.15
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	13	0.15
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	13	0.15
(1,1427)	1:98:A:VAL:HB	1:98:A:VAL:HA	17	0.15
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	12	0.15
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	12	0.15
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	12	0.15
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	12	0.15
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	12	0.15
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	12	0.15
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	12	0.15
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	12	0.15
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	10	0.15
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	10	0.15
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	10	0.15
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	10	0.15
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	10	0.15
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	10	0.15
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG21	7	0.15
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG22	7	0.15
(1,1013)	1:104:A:GLY:HA2	1:89:A:VAL:HG23	7	0.15
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG21	7	0.15
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG22	7	0.15
(1,1013)	1:104:A:GLY:HA3	1:89:A:VAL:HG23	7	0.15
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	3	0.15
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	3	0.15
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	3	0.15
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD21	14	0.15
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD22	14	0.15
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD23	14	0.15
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD21	14	0.15
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD22	14	0.15
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD23	14	0.15
(1,816)	1:98:A:VAL:HA	1:98:A:VAL:HB	17	0.15
(1,711)	1:96:A:SER:H	1:94:A:ASP:HA	5	0.15
(1,711)	1:96:A:SER:H	1:94:A:ASP:HA	10	0.15
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG21	7	0.15
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG22	7	0.15
(1,678)	1:125:A:ILE:H	1:125:A:ILE:HG23	7	0.15
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	3	0.15
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	3	0.15
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	3	0.15
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	7	0.15
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	7	0.15
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	7	0.15
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	5	0.15
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	5	0.15
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	5	0.15
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	5	0.15
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	5	0.15
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	15	0.15
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	15	0.15
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	15	0.15
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	15	0.15
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	15	0.15
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	15	0.15
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG21	6	0.15
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG22	6	0.15
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG23	6	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	1	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	1	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	1	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	6	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	6	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	6	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	17	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	17	0.15
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	17	0.15
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	6	0.15
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	6	0.15
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	6	0.15
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	17	0.15
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	17	0.15
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	17	0.15
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	19	0.15
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	19	0.15
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	19	0.15
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	19	0.15
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	19	0.15
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	19	0.15
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	8	0.15
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	10	0.15
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	13	0.15
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	15	0.15
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	16	0.15
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	19	0.15
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	4	0.15
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	4	0.15
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	4	0.15
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	4	0.15
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	4	0.15
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	15	0.15
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	15	0.15
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	15	0.15
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	15	0.15
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	15	0.15
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	15	0.15
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	14	0.15
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	19	0.15
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	12	0.15
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	12	0.15
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	13	0.15
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	13	0.15
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	6	0.15
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	19	0.15
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	3	0.15
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	8	0.15
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	12	0.15
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	14	0.15
(1,174)	1:50:A:LYS:H	1:50:A:LYS:HA	17	0.15
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	2	0.15
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	4	0.15
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	6	0.15
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	15	0.15
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	2	0.15
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	8	0.15
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	9	0.15
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	13	0.15
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	14	0.15
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	15	0.15
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	17	0.15
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	2	0.15
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	7	0.15
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	9	0.15
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	12	0.15
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	15	0.15
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	19	0.15
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	6	0.15
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	7	0.15
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	16	0.15
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	4	0.14
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	4	0.14
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	6	0.14
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	6	0.14
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	8	0.14
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	8	0.14
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	10	0.14
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	10	0.14
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	12	0.14
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	12	0.14
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	9	0.14
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	6	0.14
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	17	0.14
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	2	0.14
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	7	0.14
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	13	0.14
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	18	0.14
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	3	0.14
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	7	0.14
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	8	0.14
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	14	0.14
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	15	0.14
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	17	0.14
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	18	0.14
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	20	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	1	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	3	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	4	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	5	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	6	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	10	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	11	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	12	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	16	0.14
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	20	0.14
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	2	0.14
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	2	0.14
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	1	0.14
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	18	0.14
(1,3922)	1:121:A:GLU:H	1:122:A:MET:H	2	0.14
(1,3921)	1:122:A:MET:H	1:121:A:GLU:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	1	0.14
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	7	0.14
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	13	0.14
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	18	0.14
(1,3881)	1:115:A:SER:HB2	1:116:A:ALA:H	12	0.14
(1,3881)	1:115:A:SER:HB3	1:116:A:ALA:H	12	0.14
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	8	0.14
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	12	0.14
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	20	0.14
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	4	0.14
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	8	0.14
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	15	0.14
(1,3864)	1:114:A:GLN:HA	1:114:A:GLN:H	16	0.14
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	11	0.14
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	11	0.14
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	14	0.14
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	14	0.14
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	17	0.14
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	17	0.14
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	19	0.14
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	19	0.14
(1,3770)	1:99:A:ASN:HA	1:99:A:ASN:H	17	0.14
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	16	0.14
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	20	0.14
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	16	0.14
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	2	0.14
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	2	0.14
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	4	0.14
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	4	0.14
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	9	0.14
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	9	0.14
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	16	0.14
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	16	0.14
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	7	0.14
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	7	0.14
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	9	0.14
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	9	0.14
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	6	0.14
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	6	0.14
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	6	0.14
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	6	0.14
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	6	0.14
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	14	0.14
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	14	0.14
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	14	0.14
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	14	0.14
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	14	0.14
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	14	0.14
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	17	0.14
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	17	0.14
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	17	0.14
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	17	0.14
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	17	0.14
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	17	0.14
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	20	0.14
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	20	0.14
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	20	0.14
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	20	0.14
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	20	0.14
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	20	0.14
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	17	0.14
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	17	0.14
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	17	0.14
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	20	0.14
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	20	0.14
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	20	0.14
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	4	0.14
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	4	0.14
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	4	0.14
(1,3499)	1:53:A:LEU:HD21	1:53:A:LEU:H	19	0.14
(1,3499)	1:53:A:LEU:HD22	1:53:A:LEU:H	19	0.14
(1,3499)	1:53:A:LEU:HD23	1:53:A:LEU:H	19	0.14
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	20	0.14
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	20	0.14
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	4	0.14
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	8	0.14
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	9	0.14
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	12	0.14
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	13	0.14
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	17	0.14
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	19	0.14
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	1	0.14
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	16	0.14
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	17	0.14
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	19	0.14
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	3	0.14
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	7	0.14
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	10	0.14
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	1	0.14
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	1	0.14
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	1	0.14
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	7	0.14
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	7	0.14
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	7	0.14
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	10	0.14
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	10	0.14
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	10	0.14
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	14	0.14
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	14	0.14
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	14	0.14
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	18	0.14
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	18	0.14
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	18	0.14
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	9	0.14
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	9	0.14
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	10	0.14
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	10	0.14
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	11	0.14
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	11	0.14
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	12	0.14
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	12	0.14
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	2	0.14
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	2	0.14
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	16	0.14
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	16	0.14
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB2	3	0.14
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB3	3	0.14
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB2	3	0.14
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB3	3	0.14
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB2	15	0.14
(1,3101)	1:99:A:ASN:HD21	1:97:A:TYR:HB3	15	0.14
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB2	15	0.14
(1,3101)	1:99:A:ASN:HD22	1:97:A:TYR:HB3	15	0.14
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	18	0.14
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	18	0.14
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	18	0.14
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	18	0.14
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	18	0.14
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	9	0.14
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	9	0.14
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	9	0.14
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	20	0.14
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	20	0.14
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	20	0.14
(1,2949)	1:114:A:GLN:H	1:115:A:SER:HA	6	0.14
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	7	0.14
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	14	0.14
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	1	0.14
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	1	0.14
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	2	0.14
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	2	0.14
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	3	0.14
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	3	0.14
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	9	0.14
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	9	0.14
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	20	0.14
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	20	0.14
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	1	0.14
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	1	0.14
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	13	0.14
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	13	0.14
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	17	0.14
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	17	0.14
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	10	0.14
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	10	0.14
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	12	0.14
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	12	0.14
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	13	0.14
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	13	0.14
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	19	0.14
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	19	0.14
(1,2841)	1:87:A:TYR:HD1	1:85:A:LEU:HG	19	0.14
(1,2841)	1:87:A:TYR:HD2	1:85:A:LEU:HG	19	0.14
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	9	0.14
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	9	0.14
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	12	0.14
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	12	0.14
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	12	0.14
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD11	9	0.14
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD12	9	0.14
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD13	9	0.14
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD11	9	0.14
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD12	9	0.14
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD13	9	0.14
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD11	17	0.14
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD12	17	0.14
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD13	17	0.14
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD11	17	0.14
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD12	17	0.14
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD13	17	0.14
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	4	0.14
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	4	0.14
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	4	0.14
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD21	19	0.14
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD22	19	0.14
(1,2703)	1:53:A:LEU:H	1:53:A:LEU:HD23	19	0.14
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	2	0.14
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	2	0.14
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	2	0.14
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	7	0.14
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	7	0.14
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	18	0.14
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	18	0.14
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	9	0.14
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	8	0.14
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	8	0.14
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	16	0.14
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	16	0.14
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	18	0.14
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	18	0.14
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	4	0.14
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	6	0.14
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	18	0.14
(1,2521)	1:27:A:THR:HA	1:27:A:THR:HB	19	0.14
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	4	0.14
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	18	0.14
(1,2519)	1:27:A:THR:HB	1:27:A:THR:HA	19	0.14
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB1	19	0.14
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB2	19	0.14
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB3	19	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	2	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	2	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	2	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	10	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	10	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	10	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	14	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	14	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	14	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	16	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	16	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	16	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	17	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	17	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	17	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	18	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	18	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	18	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	19	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	19	0.14
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	19	0.14
(1,2412)	1:112:A:GLN:H	1:108:A:ASP:HA	6	0.14
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	1	0.14
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	1	0.14
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	1	0.14
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	11	0.14
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	11	0.14
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	11	0.14
(1,2373)	1:93:A:GLY:H	1:92:A:LEU:HD21	7	0.14
(1,2373)	1:93:A:GLY:H	1:92:A:LEU:HD22	7	0.14
(1,2373)	1:93:A:GLY:H	1:92:A:LEU:HD23	7	0.14
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	2	0.14
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	9	0.14
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	12	0.14
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	13	0.14
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	17	0.14
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	12	0.14
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	13	0.14
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	12	0.14
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	12	0.14
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	12	0.14
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	16	0.14
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	16	0.14
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	16	0.14
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	17	0.14
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	17	0.14
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	17	0.14
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	10	0.14
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	10	0.14
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	15	0.14
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	15	0.14
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	17	0.14
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	17	0.14
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	8	0.14
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	8	0.14
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	9	0.14
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	9	0.14
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	13	0.14
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	13	0.14
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	20	0.14
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	20	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	7	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	7	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	7	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	7	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	7	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	7	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	7	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	7	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	7	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	7	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	7	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	7	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	8	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	8	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	8	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	8	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	8	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	8	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	8	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	8	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	8	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	8	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	8	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	12	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	12	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	12	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	12	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	12	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	12	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	12	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	12	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	12	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	12	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	12	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	12	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	17	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	17	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	17	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	17	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	17	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	17	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	17	0.14
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	17	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	17	0.14
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	17	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	17	0.14
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	17	0.14
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	2	0.14
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	2	0.14
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	2	0.14
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	12	0.14
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	12	0.14
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	12	0.14
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	16	0.14
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	16	0.14
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	16	0.14
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	20	0.14
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	20	0.14
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD11	9	0.14
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD12	9	0.14
(1,2003)	1:90:A:ILE:HB	1:53:A:LEU:HD13	9	0.14
(1,1744)	1:32:A:LYS:HA	1:26:A:LEU:HB2	15	0.14
(1,1744)	1:32:A:LYS:HA	1:26:A:LEU:HB3	15	0.14
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	15	0.14
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	15	0.14
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	15	0.14
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	16	0.14
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	16	0.14
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	16	0.14
(1,1607)	1:110:A:LEU:HD11	1:76:A:LYS:HE2	19	0.14
(1,1607)	1:110:A:LEU:HD11	1:76:A:LYS:HE3	19	0.14
(1,1607)	1:110:A:LEU:HD12	1:76:A:LYS:HE2	19	0.14
(1,1607)	1:110:A:LEU:HD12	1:76:A:LYS:HE3	19	0.14
(1,1607)	1:110:A:LEU:HD13	1:76:A:LYS:HE2	19	0.14
(1,1607)	1:110:A:LEU:HD13	1:76:A:LYS:HE3	19	0.14
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	2	0.14
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	2	0.14
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	2	0.14
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	2	0.14
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	2	0.14
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	2	0.14
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	5	0.14
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	5	0.14
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	5	0.14
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	5	0.14
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	5	0.14
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	5	0.14
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	3	0.14
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	3	0.14
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	18	0.14
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	18	0.14
(1,1536)	1:50:A:LYS:HG2	1:50:A:LYS:HA	8	0.14
(1,1536)	1:50:A:LYS:HG3	1:50:A:LYS:HA	8	0.14
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	6	0.14
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	7	0.14
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	10	0.14
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	17	0.14
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	5	0.14
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	9	0.14
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	9	0.14
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	9	0.14
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	9	0.14
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	9	0.14
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	9	0.14
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	9	0.14
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	9	0.14
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	9	0.14
(1,1285)	1:92:A:LEU:HG	1:90:A:ILE:HG21	7	0.14
(1,1285)	1:92:A:LEU:HG	1:90:A:ILE:HG22	7	0.14
(1,1285)	1:92:A:LEU:HG	1:90:A:ILE:HG23	7	0.14
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	13	0.14
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	13	0.14
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	13	0.14
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	13	0.14
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	13	0.14
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	13	0.14
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	13	0.14
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	13	0.14
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	13	0.14
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	15	0.14
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	10	0.14
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	10	0.14
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	10	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	4	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	4	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	4	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	4	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	4	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	4	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	9	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	9	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	9	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	9	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	9	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	9	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	12	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	12	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	12	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	12	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	12	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	17	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	17	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	17	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	17	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	17	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	17	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG21	18	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG22	18	0.14
(1,1203)	1:23:A:GLU:HG2	1:34:A:THR:HG23	18	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG21	18	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG22	18	0.14
(1,1203)	1:23:A:GLU:HG3	1:34:A:THR:HG23	18	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	1	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	1	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	1	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	1	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	1	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	1	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	2	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	2	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	2	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	2	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	2	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	2	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	3	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	3	0.14
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	3	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	3	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	3	0.14
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	3	0.14
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	6	0.14
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	6	0.14
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	6	0.14
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	6	0.14
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	6	0.14
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	6	0.14
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	3	0.14
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	3	0.14
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	3	0.14
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	12	0.14
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	12	0.14
(1,950)	1:103:A:GLY:HA2	1:64:A:LEU:HD11	18	0.14
(1,950)	1:103:A:GLY:HA2	1:64:A:LEU:HD12	18	0.14
(1,950)	1:103:A:GLY:HA2	1:64:A:LEU:HD13	18	0.14
(1,950)	1:103:A:GLY:HA3	1:64:A:LEU:HD11	18	0.14
(1,950)	1:103:A:GLY:HA3	1:64:A:LEU:HD12	18	0.14
(1,950)	1:103:A:GLY:HA3	1:64:A:LEU:HD13	18	0.14
(1,950)	1:103:A:GLY:HA2	1:64:A:LEU:HD11	18	0.14
(1,950)	1:103:A:GLY:HA2	1:64:A:LEU:HD12	18	0.14
(1,950)	1:103:A:GLY:HA2	1:64:A:LEU:HD13	18	0.14
(1,950)	1:103:A:GLY:HA3	1:64:A:LEU:HD11	18	0.14
(1,950)	1:103:A:GLY:HA3	1:64:A:LEU:HD12	18	0.14
(1,950)	1:103:A:GLY:HA3	1:64:A:LEU:HD13	18	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	2	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	2	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	2	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	6	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	6	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	6	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	10	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	10	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	10	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	12	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	12	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	12	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	17	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	17	0.14
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	17	0.14
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	3	0.14
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	3	0.14
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	4	0.14
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	4	0.14
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	10	0.14
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	10	0.14
(1,711)	1:96:A:SER:H	1:94:A:ASP:HA	11	0.14
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	4	0.14
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	4	0.14
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	4	0.14
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	11	0.14
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	11	0.14
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	11	0.14
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG21	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG22	19	0.14
(1,674)	1:25:A:ILE:H	1:25:A:ILE:HG23	19	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	14	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	14	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	14	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	16	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	16	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	16	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	18	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	18	0.14
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	18	0.14
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG11	17	0.14
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG12	17	0.14
(1,620)	1:69:A:VAL:H	1:69:A:VAL:HG13	17	0.14
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	10	0.14
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	10	0.14
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	10	0.14
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	10	0.14
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	10	0.14
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	10	0.14
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	14	0.14
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	14	0.14
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	14	0.14
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	14	0.14
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	14	0.14
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	14	0.14
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	4	0.14
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	4	0.14
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	4	0.14
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD11	7	0.14
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD12	7	0.14
(1,541)	1:72:A:PHE:HE1	1:110:A:LEU:HD13	7	0.14
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD11	7	0.14
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD12	7	0.14
(1,541)	1:72:A:PHE:HE2	1:110:A:LEU:HD13	7	0.14
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	6	0.14
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	17	0.14
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	7	0.14
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	7	0.14
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	7	0.14
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	7	0.14
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	7	0.14
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	14	0.14
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	14	0.14
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	14	0.14
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	14	0.14
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	14	0.14
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	14	0.14
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	10	0.14
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	16	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	1	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	1	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	2	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	2	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	7	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	7	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	9	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	9	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	10	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	10	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	20	0.14
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	20	0.14
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	5	0.14
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	14	0.14
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	16	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	1	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	3	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	4	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	5	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	6	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	10	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	11	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	12	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	16	0.14
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	20	0.14
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	1	0.14
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	10	0.14
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	14	0.14
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	17	0.14
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	1	0.14
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	2	0.14
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	8	0.14
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	17	0.14
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	18	0.14
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	20	0.14
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	12	0.13
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	12	0.13
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	13	0.13
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	13	0.13
(1,4294)	1:99:A:ASN:HA	1:102:A:ASN:HD21	17	0.13
(1,4294)	1:99:A:ASN:HA	1:102:A:ASN:HD22	17	0.13
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	2	0.13
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	14	0.13
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	20	0.13
(1,4269)	1:121:A:GLU:HG2	1:140:A:TRP:HE1	16	0.13
(1,4269)	1:121:A:GLU:HG3	1:140:A:TRP:HE1	16	0.13
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	16	0.13
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	16	0.13
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	16	0.13
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	16	0.13
(1,4179)	1:148:A:LEU:HD21	1:149:A:SER:H	1	0.13
(1,4179)	1:148:A:LEU:HD22	1:149:A:SER:H	1	0.13
(1,4179)	1:148:A:LEU:HD23	1:149:A:SER:H	1	0.13
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	9	0.13
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	9	0.13
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	15	0.13
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	16	0.13
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	19	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	1	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	2	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	4	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	5	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	6	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	9	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	10	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	11	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	12	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	13	0.13
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	16	0.13
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	7	0.13
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	18	0.13
(1,3996)	1:129:A:GLU:HA	1:129:A:GLU:H	19	0.13
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	5	0.13
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	10	0.13
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	10	0.13
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	13	0.13
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	13	0.13
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	17	0.13
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	20	0.13
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	15	0.13
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	17	0.13
(1,3922)	1:121:A:GLU:H	1:122:A:MET:H	5	0.13
(1,3921)	1:122:A:MET:H	1:121:A:GLU:H	5	0.13
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	14	0.13
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	14	0.13
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	14	0.13
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	2	0.13
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	4	0.13
(1,3881)	1:115:A:SER:HB2	1:116:A:ALA:H	9	0.13
(1,3881)	1:115:A:SER:HB3	1:116:A:ALA:H	9	0.13
(1,3881)	1:115:A:SER:HB2	1:116:A:ALA:H	13	0.13
(1,3881)	1:115:A:SER:HB3	1:116:A:ALA:H	13	0.13
(1,3881)	1:115:A:SER:HB2	1:116:A:ALA:H	14	0.13
(1,3881)	1:115:A:SER:HB3	1:116:A:ALA:H	14	0.13
(1,3881)	1:115:A:SER:HB2	1:116:A:ALA:H	20	0.13
(1,3881)	1:115:A:SER:HB3	1:116:A:ALA:H	20	0.13
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	4	0.13
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	10	0.13
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	11	0.13
(1,3871)	1:113:A:GLU:H	1:115:A:SER:H	18	0.13
(1,3865)	1:116:A:ALA:H	1:114:A:GLN:H	10	0.13
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	3	0.13
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	10	0.13
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	18	0.13
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	20	0.13
(1,3825)	1:87:A:TYR:HE1	1:111:A:LEU:H	1	0.13
(1,3825)	1:87:A:TYR:HE2	1:111:A:LEU:H	1	0.13
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	5	0.13
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	5	0.13
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	5	0.13
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	1	0.13
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	1	0.13
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	3	0.13
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	3	0.13
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	7	0.13
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	12	0.13
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	12	0.13
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	19	0.13
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	19	0.13
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	8	0.13
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	8	0.13
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	10	0.13
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	10	0.13
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	12	0.13
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	12	0.13
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	13	0.13
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	13	0.13
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	17	0.13
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	17	0.13
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	20	0.13
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	20	0.13
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	12	0.13
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	12	0.13
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	12	0.13
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	12	0.13
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	12	0.13
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	12	0.13
(1,3531)	1:55:A:VAL:HG21	1:56:A:THR:H	13	0.13
(1,3531)	1:55:A:VAL:HG22	1:56:A:THR:H	13	0.13
(1,3531)	1:55:A:VAL:HG23	1:56:A:THR:H	13	0.13
(1,3531)	1:55:A:VAL:HG11	1:56:A:THR:H	13	0.13
(1,3531)	1:55:A:VAL:HG12	1:56:A:THR:H	13	0.13
(1,3531)	1:55:A:VAL:HG13	1:56:A:THR:H	13	0.13
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	1	0.13
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	1	0.13
(1,3484)	1:50:A:LYS:HD2	1:51:A:TYR:H	9	0.13
(1,3484)	1:50:A:LYS:HD3	1:51:A:TYR:H	9	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	1	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	2	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	6	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	7	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	10	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	11	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	14	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	15	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	18	0.13
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	20	0.13
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	3	0.13
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	3	0.13
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	5	0.13
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	5	0.13
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	11	0.13
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	11	0.13
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	13	0.13
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	13	0.13
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	14	0.13
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	14	0.13
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	19	0.13
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	19	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	2	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	5	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	7	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	8	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	10	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	12	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	13	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	14	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	15	0.13
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	18	0.13
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	13	0.13
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	14	0.13
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	15	0.13
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	16	0.13
(1,3306)	1:31:A:HIS:HD2	1:30:A:GLY:H	20	0.13
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	2	0.13
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	2	0.13
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	2	0.13
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	13	0.13
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	13	0.13
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	13	0.13
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	17	0.13
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	17	0.13
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	17	0.13
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	20	0.13
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	20	0.13
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	20	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	2	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	2	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	3	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	3	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	3	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	4	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	4	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	4	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	7	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	7	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	7	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	8	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	8	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	8	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	11	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	11	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	11	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	12	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	12	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	12	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	13	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	13	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	13	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	14	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	14	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	14	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	15	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	15	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	15	0.13
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	20	0.13
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	20	0.13
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	20	0.13
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	3	0.13
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	3	0.13
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	3	0.13
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	5	0.13
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	5	0.13
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	5	0.13
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	8	0.13
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	8	0.13
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	8	0.13
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	9	0.13
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	9	0.13
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	19	0.13
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	19	0.13
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	19	0.13
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	20	0.13
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	20	0.13
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	20	0.13
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	15	0.13
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	1	0.13
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	1	0.13
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	4	0.13
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	4	0.13
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	5	0.13
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	5	0.13
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	19	0.13
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	19	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	1	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	2	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	3	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	5	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	6	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	7	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	9	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	11	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	13	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	14	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	15	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	16	0.13
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	19	0.13
(1,3135)	1:58:A:THR:H	1:57:A:SER:HB2	17	0.13
(1,3135)	1:58:A:THR:H	1:57:A:SER:HB3	17	0.13
(1,3111)	1:102:A:ASN:HD21	1:102:A:ASN:HA	10	0.13
(1,3111)	1:102:A:ASN:HD22	1:102:A:ASN:HA	10	0.13
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	3	0.13
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	9	0.13
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	13	0.13
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	16	0.13
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	20	0.13
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	16	0.13
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	16	0.13
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	16	0.13
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	16	0.13
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	16	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	1	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	1	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	1	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	4	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	4	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	4	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	6	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	6	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	6	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	8	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	8	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	8	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	19	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	19	0.13
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	19	0.13
(1,2949)	1:114:A:GLN:H	1:115:A:SER:HA	4	0.13
(1,2949)	1:114:A:GLN:H	1:115:A:SER:HA	19	0.13
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	2	0.13
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	3	0.13
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	5	0.13
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	19	0.13
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	7	0.13
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	7	0.13
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	12	0.13
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	12	0.13
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	13	0.13
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	13	0.13
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	17	0.13
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	17	0.13
(1,2927)	1:113:A:GLU:HB2	1:110:A:LEU:HA	19	0.13
(1,2927)	1:113:A:GLU:HB3	1:110:A:LEU:HA	19	0.13
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	2	0.13
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	2	0.13
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	5	0.13
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	5	0.13
(1,2911)	1:114:A:GLN:HE21	1:112:A:GLN:HA	17	0.13
(1,2911)	1:114:A:GLN:HE22	1:112:A:GLN:HA	17	0.13
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD11	13	0.13
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD12	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2820)	1:81:A:PHE:H	1:79:A:LEU:HD13	13	0.13
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD11	1	0.13
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD12	1	0.13
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD13	1	0.13
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD11	1	0.13
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD12	1	0.13
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD13	1	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	1	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	1	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	1	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	11	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	11	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	11	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	13	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	13	0.13
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	13	0.13
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	3	0.13
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	10	0.13
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	18	0.13
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	20	0.13
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	17	0.13
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	20	0.13
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	2	0.13
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	2	0.13
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	6	0.13
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	6	0.13
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	16	0.13
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	16	0.13
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	19	0.13
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	19	0.13
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	2	0.13
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	14	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	2	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	2	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	10	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	10	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	12	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	12	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	13	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	13	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	17	0.13
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	1	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	1	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	1	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	4	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	4	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	4	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	6	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	6	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	6	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	11	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	11	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	11	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG21	13	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG22	13	0.13
(1,2441)	1:59:A:THR:H	1:59:A:THR:HG23	13	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	4	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	4	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	4	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	10	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	10	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	10	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	18	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	18	0.13
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	18	0.13
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	15	0.13
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	15	0.13
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	15	0.13
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	18	0.13
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	18	0.13
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	11	0.13
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	1	0.13
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	4	0.13
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	9	0.13
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	17	0.13
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	1	0.13
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	1	0.13
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	1	0.13
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	15	0.13
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	15	0.13
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	15	0.13
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	6	0.13
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	7	0.13
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	7	0.13
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	9	0.13
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	9	0.13
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	12	0.13
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	12	0.13
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	4	0.13
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	4	0.13
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	12	0.13
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	12	0.13
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB2	8	0.13
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB3	8	0.13
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB2	8	0.13
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB3	8	0.13
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB2	8	0.13
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB3	8	0.13
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	7	0.13
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	7	0.13
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	7	0.13
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	7	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	9	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	9	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	9	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	9	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	9	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	9	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	9	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	9	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	9	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	9	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	9	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	9	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	14	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	14	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	14	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	14	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	14	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	14	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	14	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	14	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	14	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	14	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	14	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	15	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	15	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	15	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	15	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	15	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	15	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	15	0.13
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	15	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	15	0.13
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	15	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	15	0.13
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	15	0.13
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	9	0.13
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	17	0.13
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	17	0.13
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	17	0.13
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	10	0.13
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	10	0.13
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	10	0.13
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	10	0.13
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	10	0.13
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	10	0.13
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	10	0.13
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	10	0.13
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	10	0.13
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	16	0.13
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	16	0.13
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	16	0.13
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	16	0.13
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	16	0.13
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	16	0.13
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	16	0.13
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	16	0.13
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	16	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	8	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	8	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	8	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	14	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	14	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	18	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	18	0.13
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	18	0.13
(1,1860)	1:22:A:ALA:HA	1:26:A:LEU:HG	4	0.13
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	5	0.13
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	5	0.13
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	5	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	1	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	2	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	3	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	5	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	6	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	7	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	9	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	11	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	13	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	14	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	15	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	16	0.13
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	19	0.13
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	18	0.13
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	18	0.13
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	18	0.13
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	18	0.13
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	18	0.13
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	18	0.13
(1,1543)	1:26:A:LEU:HB2	1:22:A:ALA:HA	19	0.13
(1,1543)	1:26:A:LEU:HB3	1:22:A:ALA:HA	19	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	5	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	11	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	12	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	14	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	15	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	16	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	18	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	19	0.13
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	20	0.13
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	2	0.13
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	2	0.13
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	13	0.13
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	13	0.13
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	14	0.13
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	20	0.13
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	20	0.13
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG21	8	0.13
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG22	8	0.13
(1,1370)	1:148:A:LEU:HD11	1:119:A:VAL:HG23	8	0.13
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG21	8	0.13
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG22	8	0.13
(1,1370)	1:148:A:LEU:HD12	1:119:A:VAL:HG23	8	0.13
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG21	8	0.13
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG22	8	0.13
(1,1370)	1:148:A:LEU:HD13	1:119:A:VAL:HG23	8	0.13
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG21	1	0.13
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG22	1	0.13
(1,1320)	1:85:A:LEU:HD21	1:52:A:VAL:HG23	1	0.13
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG21	1	0.13
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG22	1	0.13
(1,1320)	1:85:A:LEU:HD22	1:52:A:VAL:HG23	1	0.13
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG21	1	0.13
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG22	1	0.13
(1,1320)	1:85:A:LEU:HD23	1:52:A:VAL:HG23	1	0.13
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	12	0.13
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	12	0.13
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	12	0.13
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	12	0.13
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	12	0.13
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	12	0.13
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	12	0.13
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	12	0.13
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	12	0.13
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	18	0.13
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	18	0.13
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	18	0.13
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	18	0.13
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	18	0.13
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	18	0.13
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	18	0.13
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	18	0.13
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	18	0.13
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	1	0.13
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	1	0.13
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	1	0.13
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	1	0.13
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	1	0.13
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	1	0.13
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	1	0.13
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	1	0.13
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	5	0.13
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	5	0.13
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	5	0.13
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	5	0.13
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	5	0.13
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	5	0.13
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	5	0.13
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	5	0.13
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	5	0.13
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	16	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	2	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	2	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	2	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	16	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	16	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	16	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	18	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	18	0.13
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	18	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	9	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	9	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	9	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	9	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	9	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	9	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	9	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	9	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	9	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	9	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	9	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	9	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	12	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	12	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	12	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	12	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	12	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	12	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	12	0.13
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	12	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	12	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	12	0.13
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	12	0.13
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	9	0.13
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	9	0.13
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	9	0.13
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	9	0.13
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	9	0.13
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	9	0.13
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	13	0.13
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	13	0.13
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	13	0.13
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	13	0.13
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	13	0.13
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	13	0.13
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	10	0.13
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	10	0.13
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	10	0.13
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	10	0.13
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	10	0.13
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	10	0.13
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	15	0.13
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	15	0.13
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	15	0.13
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	15	0.13
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	15	0.13
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	15	0.13
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	17	0.13
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	17	0.13
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	17	0.13
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	17	0.13
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	17	0.13
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	17	0.13
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	7	0.13
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	7	0.13
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	7	0.13
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	14	0.13
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	14	0.13
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD21	15	0.13
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD22	15	0.13
(1,1136)	1:18:A:VAL:HB	1:92:A:LEU:HD23	15	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	1	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	1	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	1	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	8	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	8	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	8	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	9	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	9	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	9	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	13	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	13	0.13
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	13	0.13
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD21	16	0.13
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD22	16	0.13
(1,910)	1:57:A:SER:HB2	1:92:A:LEU:HD23	16	0.13
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD21	16	0.13
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD22	16	0.13
(1,910)	1:57:A:SER:HB3	1:92:A:LEU:HD23	16	0.13
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD21	16	0.13
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD22	16	0.13
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD23	16	0.13
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	5	0.13
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	5	0.13
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	9	0.13
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	9	0.13
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	14	0.13
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	14	0.13
(1,711)	1:96:A:SER:H	1:94:A:ASP:HA	15	0.13
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG11	7	0.13
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG12	7	0.13
(1,645)	1:99:A:ASN:H	1:98:A:VAL:HG13	7	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	4	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	4	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	4	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	6	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	6	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	6	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	7	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	7	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	13	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	13	0.13
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	13	0.13
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	2	0.13
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	2	0.13
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	2	0.13
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	2	0.13
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	2	0.13
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	2	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	2	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	2	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	2	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	3	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	3	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	3	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	4	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	4	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	4	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	7	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	7	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	7	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	8	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	8	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	8	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	11	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	11	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	11	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	12	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	12	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	12	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	13	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	13	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	13	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	14	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	14	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	14	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	15	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	15	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	15	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	20	0.13
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	20	0.13
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG21	13	0.13
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG22	13	0.13
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG23	13	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	9	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	9	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	9	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	11	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	11	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	11	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	12	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	12	0.13
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	12	0.13
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	12	0.13
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	12	0.13
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	12	0.13
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	10	0.13
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	10	0.13
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	10	0.13
(1,535)	1:87:A:TYR:HD1	1:111:A:LEU:HD21	2	0.13
(1,535)	1:87:A:TYR:HD1	1:111:A:LEU:HD22	2	0.13
(1,535)	1:87:A:TYR:HD1	1:111:A:LEU:HD23	2	0.13
(1,535)	1:87:A:TYR:HD2	1:111:A:LEU:HD21	2	0.13
(1,535)	1:87:A:TYR:HD2	1:111:A:LEU:HD22	2	0.13
(1,535)	1:87:A:TYR:HD2	1:111:A:LEU:HD23	2	0.13
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	9	0.13
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD21	19	0.13
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD22	19	0.13
(1,484)	1:87:A:TYR:HD1	1:85:A:LEU:HD23	19	0.13
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD21	19	0.13
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD22	19	0.13
(1,484)	1:87:A:TYR:HD2	1:85:A:LEU:HD23	19	0.13
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	2	0.13
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	2	0.13
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	13	0.13
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	13	0.13
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	15	0.13
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	15	0.13
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	3	0.13
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	3	0.13
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	5	0.13
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	14	0.13
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	14	0.13
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	17	0.13
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	17	0.13
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	3	0.13
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	8	0.13
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	9	0.13
(1,163)	1:118:A:ARG:H	1:118:A:ARG:HA	20	0.13
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	7	0.13
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	18	0.13
(1,156)	1:129:A:GLU:H	1:129:A:GLU:HA	19	0.13
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	1	0.13
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	6	0.13
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	7	0.13
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	9	0.13
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	4	0.13
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	3	0.13
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	12	0.13
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	17	0.13
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	19	0.13
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	20	0.13
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	3	0.13
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	5	0.13
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	11	0.13
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	12	0.13
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	13	0.13
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	15	0.13
(1,50)	1:26:A:LEU:H	1:25:A:ILE:HA	19	0.13
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	11	0.13
(1,7)	1:111:A:LEU:HD21	1:87:A:TYR:HD1	2	0.13
(1,7)	1:111:A:LEU:HD21	1:87:A:TYR:HD2	2	0.13
(1,7)	1:111:A:LEU:HD22	1:87:A:TYR:HD1	2	0.13
(1,7)	1:111:A:LEU:HD22	1:87:A:TYR:HD2	2	0.13
(1,7)	1:111:A:LEU:HD23	1:87:A:TYR:HD1	2	0.13
(1,7)	1:111:A:LEU:HD23	1:87:A:TYR:HD2	2	0.13
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	7	0.12
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	7	0.12
(2,27)	1:147:A:LEU:HB2	1:87:A:TYR:H	13	0.12
(2,27)	1:147:A:LEU:HB3	1:87:A:TYR:H	13	0.12
(1,4294)	1:99:A:ASN:HA	1:102:A:ASN:HD21	16	0.12
(1,4294)	1:99:A:ASN:HA	1:102:A:ASN:HD22	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	5	0.12
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	13	0.12
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	17	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	1	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	1	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	1	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	1	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	2	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	2	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	2	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	2	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	3	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	3	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	3	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	3	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	6	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	6	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	6	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	6	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	8	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	8	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	8	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	8	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	9	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	9	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	9	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	9	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	13	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	13	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	13	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	13	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	17	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	17	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	17	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	17	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	20	0.12
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	20	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	20	0.12
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	20	0.12
(1,4179)	1:148:A:LEU:HD21	1:149:A:SER:H	11	0.12
(1,4179)	1:148:A:LEU:HD22	1:149:A:SER:H	11	0.12
(1,4179)	1:148:A:LEU:HD23	1:149:A:SER:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4179)	1:148:A:LEU:HD21	1:149:A:SER:H	16	0.12
(1,4179)	1:148:A:LEU:HD22	1:149:A:SER:H	16	0.12
(1,4179)	1:148:A:LEU:HD23	1:149:A:SER:H	16	0.12
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	1	0.12
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	2	0.12
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	4	0.12
(1,4163)	1:148:A:LEU:HG	1:148:A:LEU:H	5	0.12
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	17	0.12
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	20	0.12
(1,4021)	1:17:A:LEU:HD21	1:135:A:THR:H	9	0.12
(1,4021)	1:17:A:LEU:HD22	1:135:A:THR:H	9	0.12
(1,4021)	1:17:A:LEU:HD23	1:135:A:THR:H	9	0.12
(1,4021)	1:17:A:LEU:HD21	1:135:A:THR:H	20	0.12
(1,4021)	1:17:A:LEU:HD22	1:135:A:THR:H	20	0.12
(1,4021)	1:17:A:LEU:HD23	1:135:A:THR:H	20	0.12
(1,4004)	1:130:A:ASN:HA	1:130:A:ASN:H	19	0.12
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	12	0.12
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	12	0.12
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	20	0.12
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	20	0.12
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	7	0.12
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	8	0.12
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	9	0.12
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	10	0.12
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	11	0.12
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	12	0.12
(1,3924)	1:122:A:MET:HA	1:122:A:MET:H	3	0.12
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	7	0.12
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	7	0.12
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	7	0.12
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	6	0.12
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	9	0.12
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	12	0.12
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	19	0.12
(1,3881)	1:115:A:SER:HB2	1:116:A:ALA:H	10	0.12
(1,3881)	1:115:A:SER:HB3	1:116:A:ALA:H	10	0.12
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	2	0.12
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	4	0.12
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	5	0.12
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	7	0.12
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	11	0.12
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	16	0.12
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	17	0.12
(1,3825)	1:87:A:TYR:HE1	1:111:A:LEU:H	10	0.12
(1,3825)	1:87:A:TYR:HE2	1:111:A:LEU:H	10	0.12
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	4	0.12
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	4	0.12
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	4	0.12
(1,3739)	1:125:A:ILE:HB	1:93:A:GLY:H	5	0.12
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	6	0.12
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	6	0.12
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	13	0.12
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	13	0.12
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	15	0.12
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	15	0.12
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	18	0.12
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	18	0.12
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	4	0.12
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	4	0.12
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	16	0.12
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	16	0.12
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	17	0.12
(1,3547)	1:68:A:ILE:HD11	1:68:A:ILE:H	3	0.12
(1,3547)	1:68:A:ILE:HD12	1:68:A:ILE:H	3	0.12
(1,3547)	1:68:A:ILE:HD13	1:68:A:ILE:H	3	0.12
(1,3519)	1:89:A:VAL:HG11	1:54:A:VAL:H	9	0.12
(1,3519)	1:89:A:VAL:HG12	1:54:A:VAL:H	9	0.12
(1,3519)	1:89:A:VAL:HG13	1:54:A:VAL:H	9	0.12
(1,3466)	1:52:A:VAL:HG11	1:50:A:LYS:H	2	0.12
(1,3466)	1:52:A:VAL:HG12	1:50:A:LYS:H	2	0.12
(1,3466)	1:52:A:VAL:HG13	1:50:A:LYS:H	2	0.12
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	3	0.12
(1,3438)	1:47:A:TYR:HA	1:47:A:TYR:H	5	0.12
(1,3396)	1:43:A:ASP:HB2	1:42:A:SER:H	16	0.12
(1,3396)	1:43:A:ASP:HB3	1:42:A:SER:H	16	0.12
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	2	0.12
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	2	0.12
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	4	0.12
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	4	0.12
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	8	0.12
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	8	0.12
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	20	0.12
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	6	0.12
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	9	0.12
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	20	0.12
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	2	0.12
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	5	0.12
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	11	0.12
(1,3306)	1:31:A:HIS:HD2	1:30:A:GLY:H	13	0.12
(1,3306)	1:31:A:HIS:HD2	1:30:A:GLY:H	18	0.12
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	5	0.12
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	5	0.12
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	5	0.12
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	8	0.12
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	8	0.12
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	8	0.12
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	14	0.12
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	14	0.12
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	14	0.12
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	16	0.12
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	16	0.12
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	16	0.12
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	1	0.12
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	1	0.12
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	1	0.12
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	5	0.12
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	5	0.12
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	5	0.12
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	6	0.12
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	6	0.12
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	6	0.12
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	9	0.12
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	9	0.12
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	9	0.12
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	10	0.12
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	10	0.12
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	10	0.12
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	16	0.12
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	16	0.12
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	16	0.12
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	17	0.12
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	17	0.12
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	17	0.12
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	2	0.12
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	2	0.12
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	15	0.12
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	15	0.12
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	15	0.12
(1,3246)	1:35:A:VAL:HG11	1:24:A:ALA:H	5	0.12
(1,3246)	1:35:A:VAL:HG12	1:24:A:ALA:H	5	0.12
(1,3246)	1:35:A:VAL:HG13	1:24:A:ALA:H	5	0.12
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	18	0.12
(1,3187)	1:6:A:ILE:HD11	1:6:A:ILE:H	3	0.12
(1,3187)	1:6:A:ILE:HD12	1:6:A:ILE:H	3	0.12
(1,3187)	1:6:A:ILE:HD13	1:6:A:ILE:H	3	0.12
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	15	0.12
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	15	0.12
(1,3166)	1:3:A:GLU:HG2	1:4:A:ILE:H	13	0.12
(1,3166)	1:3:A:GLU:HG3	1:4:A:ILE:H	13	0.12
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	4	0.12
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	8	0.12
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	10	0.12
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	12	0.12
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	17	0.12
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	18	0.12
(1,3165)	1:4:A:ILE:HA	1:4:A:ILE:H	20	0.12
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	12	0.12
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	16	0.12
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	17	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	3	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	3	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	3	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	12	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	12	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	12	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	13	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	13	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	13	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD11	17	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD12	17	0.12
(1,2998)	1:123:A:LEU:HG	1:125:A:ILE:HD13	17	0.12
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD11	20	0.12
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD12	20	0.12
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD13	20	0.12
(1,2949)	1:114:A:GLN:H	1:115:A:SER:HA	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2949)	1:114:A:GLN:H	1:115:A:SER:HA	15	0.12
(1,2949)	1:114:A:GLN:H	1:115:A:SER:HA	18	0.12
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	1	0.12
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	12	0.12
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	13	0.12
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	17	0.12
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	20	0.12
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	3	0.12
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	3	0.12
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	14	0.12
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	14	0.12
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	16	0.12
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	16	0.12
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	20	0.12
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	20	0.12
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	16	0.12
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	16	0.12
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	2	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	2	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	4	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	5	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	7	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	11	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	15	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	16	0.12
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	17	0.12
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	7	0.12
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	8	0.12
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	9	0.12
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	10	0.12
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	11	0.12
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	12	0.12
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	5	0.12
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	8	0.12
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	15	0.12
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	1	0.12
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	1	0.12
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	9	0.12
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	9	0.12
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB1	6	0.12
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB2	6	0.12
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	8	0.12
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	8	0.12
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	8	0.12
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	11	0.12
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	11	0.12
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	11	0.12
(1,2412)	1:112:A:GLN:H	1:108:A:ASP:HA	4	0.12
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG11	5	0.12
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG12	5	0.12
(1,2402)	1:24:A:ALA:H	1:35:A:VAL:HG13	5	0.12
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD11	3	0.12
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD12	3	0.12
(1,2376)	1:89:A:VAL:HB	1:90:A:ILE:HD13	3	0.12
(1,2335)	1:31:A:HIS:HB2	1:4:A:ILE:HG12	18	0.12
(1,2335)	1:31:A:HIS:HB2	1:4:A:ILE:HG13	18	0.12
(1,2335)	1:31:A:HIS:HB3	1:4:A:ILE:HG12	18	0.12
(1,2335)	1:31:A:HIS:HB3	1:4:A:ILE:HG13	18	0.12
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	19	0.12
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	19	0.12
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	6	0.12
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	6	0.12
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	7	0.12
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	8	0.12
(1,2285)	1:85:A:LEU:HD11	1:49:A:ASP:HA	11	0.12
(1,2285)	1:85:A:LEU:HD12	1:49:A:ASP:HA	11	0.12
(1,2285)	1:85:A:LEU:HD13	1:49:A:ASP:HA	11	0.12
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	18	0.12
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	18	0.12
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	6	0.12
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	6	0.12
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	17	0.12
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	17	0.12
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB2	20	0.12
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB3	20	0.12
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB2	20	0.12
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB3	20	0.12
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB2	20	0.12
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB3	20	0.12
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	1	0.12
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	1	0.12
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	1	0.12
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	5	0.12
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	5	0.12
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	5	0.12
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	5	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	2	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	2	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	2	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	2	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	2	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	2	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	2	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	2	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	2	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	2	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	2	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	2	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	5	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	5	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	5	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	5	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	5	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	5	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	5	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	5	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	5	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	5	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	5	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	5	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	10	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	10	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	10	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	10	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	10	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	10	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	10	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	10	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	10	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	10	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	10	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	10	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	18	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	18	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	18	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	18	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	18	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	18	0.12
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	18	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	18	0.12
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	18	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	18	0.12
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	18	0.12
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	2	0.12
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	8	0.12
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	14	0.12
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	9	0.12
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	9	0.12
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	9	0.12
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	14	0.12
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	14	0.12
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	14	0.12
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD11	1	0.12
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD12	1	0.12
(1,2023)	1:55:A:VAL:HG21	1:53:A:LEU:HD13	1	0.12
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD11	1	0.12
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD12	1	0.12
(1,2023)	1:55:A:VAL:HG22	1:53:A:LEU:HD13	1	0.12
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD11	1	0.12
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD12	1	0.12
(1,2023)	1:55:A:VAL:HG23	1:53:A:LEU:HD13	1	0.12
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD11	15	0.12
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD12	15	0.12
(1,1913)	1:26:A:LEU:HD21	1:148:A:LEU:HD13	15	0.12
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD11	15	0.12
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD12	15	0.12
(1,1913)	1:26:A:LEU:HD22	1:148:A:LEU:HD13	15	0.12
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD11	15	0.12
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD12	15	0.12
(1,1913)	1:26:A:LEU:HD23	1:148:A:LEU:HD13	15	0.12
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	6	0.12
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	6	0.12
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	6	0.12
(1,1744)	1:32:A:LYS:HA	1:26:A:LEU:HB2	5	0.12
(1,1744)	1:32:A:LYS:HA	1:26:A:LEU:HB3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	4	0.12
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	8	0.12
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	10	0.12
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	12	0.12
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	17	0.12
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	18	0.12
(1,1717)	1:4:A:ILE:H	1:4:A:ILE:HA	20	0.12
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	9	0.12
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	9	0.12
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	9	0.12
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	9	0.12
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	9	0.12
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	9	0.12
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	11	0.12
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	11	0.12
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	11	0.12
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	11	0.12
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	11	0.12
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	11	0.12
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	12	0.12
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	12	0.12
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	12	0.12
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	12	0.12
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	12	0.12
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	12	0.12
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	3	0.12
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	8	0.12
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	9	0.12
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	13	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	4	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	4	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	8	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	8	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	9	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	9	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	11	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	11	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	12	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	12	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	15	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	15	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	16	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	18	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	18	0.12
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	19	0.12
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	19	0.12
(1,1444)	1:35:A:VAL:HB	1:34:A:THR:HA	9	0.12
(1,1440)	1:55:A:VAL:HG21	1:54:A:VAL:HA	16	0.12
(1,1440)	1:55:A:VAL:HG22	1:54:A:VAL:HA	16	0.12
(1,1440)	1:55:A:VAL:HG23	1:54:A:VAL:HA	16	0.12
(1,1317)	1:18:A:VAL:HG11	1:55:A:VAL:HG21	6	0.12
(1,1317)	1:18:A:VAL:HG11	1:55:A:VAL:HG22	6	0.12
(1,1317)	1:18:A:VAL:HG11	1:55:A:VAL:HG23	6	0.12
(1,1317)	1:18:A:VAL:HG12	1:55:A:VAL:HG21	6	0.12
(1,1317)	1:18:A:VAL:HG12	1:55:A:VAL:HG22	6	0.12
(1,1317)	1:18:A:VAL:HG12	1:55:A:VAL:HG23	6	0.12
(1,1317)	1:18:A:VAL:HG13	1:55:A:VAL:HG21	6	0.12
(1,1317)	1:18:A:VAL:HG13	1:55:A:VAL:HG22	6	0.12
(1,1317)	1:18:A:VAL:HG13	1:55:A:VAL:HG23	6	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	3	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	3	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	3	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	3	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	3	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	3	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	3	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	3	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	3	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	7	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	7	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	7	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	7	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	7	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	7	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	7	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	7	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	7	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	8	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	8	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	8	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	8	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	8	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	8	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	8	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	8	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	10	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	10	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	10	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	10	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	10	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	10	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	10	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	10	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	10	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	11	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	11	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	11	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	11	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	11	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	11	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	11	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	11	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	11	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	12	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	12	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	12	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	12	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	12	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	12	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	12	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	12	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	12	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	14	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	14	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	14	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	14	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	14	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	14	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	14	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	14	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	14	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	16	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	16	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	16	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	16	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	16	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	16	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	16	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	16	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	17	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	17	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	17	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	17	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	17	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	17	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	17	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	17	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	17	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	20	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	20	0.12
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	20	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	20	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	20	0.12
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	20	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	20	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	20	0.12
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	20	0.12
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	5	0.12
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	5	0.12
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	5	0.12
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	5	0.12
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	5	0.12
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	5	0.12
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	5	0.12
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	5	0.12
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	5	0.12
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	15	0.12
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	15	0.12
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	15	0.12
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	15	0.12
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	15	0.12
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	15	0.12
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	15	0.12
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	15	0.12
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	8	0.12
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	8	0.12
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	8	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	8	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	8	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	8	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	8	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	8	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	8	0.12
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	11	0.12
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	11	0.12
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	11	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	11	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	11	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	11	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	11	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	11	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	11	0.12
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD11	18	0.12
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD12	18	0.12
(1,1275)	1:41:A:LEU:HD11	1:71:A:LEU:HD13	18	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD11	18	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD12	18	0.12
(1,1275)	1:41:A:LEU:HD12	1:71:A:LEU:HD13	18	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD11	18	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD12	18	0.12
(1,1275)	1:41:A:LEU:HD13	1:71:A:LEU:HD13	18	0.12
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	2	0.12
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	14	0.12
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	18	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	7	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	7	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	7	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	8	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	8	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	8	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	13	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	13	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	13	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	14	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	14	0.12
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD11	16	0.12
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD12	16	0.12
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD13	16	0.12
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD11	16	0.12
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD12	16	0.12
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD13	16	0.12
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD11	19	0.12
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD12	19	0.12
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD13	19	0.12
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD11	19	0.12
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD12	19	0.12
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD13	19	0.12
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	17	0.12
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	17	0.12
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	17	0.12
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	17	0.12
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	17	0.12
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	17	0.12
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD11	17	0.12
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD12	17	0.12
(1,1174)	1:48:A:GLN:HG2	1:45:A:LEU:HD13	17	0.12
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD11	17	0.12
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD12	17	0.12
(1,1174)	1:48:A:GLN:HG3	1:45:A:LEU:HD13	17	0.12
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD21	11	0.12
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD22	11	0.12
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD23	11	0.12
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD21	11	0.12
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD22	11	0.12
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD23	11	0.12
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	17	0.12
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	17	0.12
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	17	0.12
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	17	0.12
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	17	0.12
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	17	0.12
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD11	9	0.12
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD12	9	0.12
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD13	9	0.12
(1,1011)	1:137:A:SER:HB2	1:18:A:VAL:HG21	19	0.12
(1,1011)	1:137:A:SER:HB2	1:18:A:VAL:HG22	19	0.12
(1,1011)	1:137:A:SER:HB2	1:18:A:VAL:HG23	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:137:A:SER:HB3	1:18:A:VAL:HG21	19	0.12
(1,1011)	1:137:A:SER:HB3	1:18:A:VAL:HG22	19	0.12
(1,1011)	1:137:A:SER:HB3	1:18:A:VAL:HG23	19	0.12
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG21	5	0.12
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG22	5	0.12
(1,996)	1:35:A:VAL:HA	1:34:A:THR:HG23	5	0.12
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	9	0.12
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	9	0.12
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	9	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	5	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	5	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	5	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	14	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	14	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	14	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	19	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	19	0.12
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	19	0.12
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD21	17	0.12
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD22	17	0.12
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD23	17	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	6	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	6	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	7	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	7	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	12	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	12	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	13	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	13	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	15	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	15	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	17	0.12
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	17	0.12
(1,711)	1:96:A:SER:H	1:94:A:ASP:HA	13	0.12
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	3	0.12
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	3	0.12
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	3	0.12
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG21	12	0.12
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG22	12	0.12
(1,630)	1:54:A:VAL:H	1:89:A:VAL:HG23	12	0.12
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	8	0.12
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	8	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	8	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	8	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	8	0.12
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	11	0.12
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	11	0.12
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	11	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	11	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	11	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	11	0.12
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	16	0.12
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	16	0.12
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	16	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	16	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	16	0.12
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	16	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	1	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	1	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	1	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	5	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	5	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	5	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	6	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	6	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	6	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	9	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	9	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	9	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	10	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	10	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	10	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	16	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	16	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	16	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	17	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	17	0.12
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	17	0.12
(1,577)	1:124:A:LEU:H	1:123:A:LEU:HD11	9	0.12
(1,577)	1:124:A:LEU:H	1:123:A:LEU:HD12	9	0.12
(1,577)	1:124:A:LEU:H	1:123:A:LEU:HD13	9	0.12
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD11	6	0.12
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD12	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD13	6	0.12
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	1	0.12
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	2	0.12
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	4	0.12
(1,521)	1:148:A:LEU:H	1:148:A:LEU:HG	5	0.12
(1,520)	1:51:A:TYR:HE1	1:148:A:LEU:HG	19	0.12
(1,520)	1:51:A:TYR:HE2	1:148:A:LEU:HG	19	0.12
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	12	0.12
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	1	0.12
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	1	0.12
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	6	0.12
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	6	0.12
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG2	19	0.12
(1,343)	1:113:A:GLU:H	1:113:A:GLU:HG3	19	0.12
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	1	0.12
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	11	0.12
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	14	0.12
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	17	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	4	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	5	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	10	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	11	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	12	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	13	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	14	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	15	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	16	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	17	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	18	0.12
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	19	0.12
(1,151)	1:122:A:MET:H	1:122:A:MET:HA	3	0.12
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	15	0.12
(1,110)	1:44:A:TRP:HD1	1:45:A:LEU:HA	3	0.12
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	1	0.12
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	6	0.12
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	9	0.12
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	15	0.12
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	1	0.12
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	4	0.12
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	6	0.12
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	8	0.12
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	13	0.12
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	4	0.12
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	9	0.12
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	12	0.12
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	17	0.12
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	18	0.12
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	19	0.12
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	1	0.12
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	5	0.12
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	7	0.12
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	9	0.12
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	10	0.12
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	13	0.12
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	16	0.12
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	3	0.11
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	3	0.11
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	5	0.11
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	5	0.11
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	16	0.11
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	16	0.11
(2,32)	1:114:A:GLN:HE21	1:117:A:GLN:H	17	0.11
(2,32)	1:114:A:GLN:HE22	1:117:A:GLN:H	17	0.11
(1,4271)	1:123:A:LEU:HA	1:140:A:TRP:HE1	12	0.11
(1,4255)	1:86:A:ARG:H	1:86:A:ARG:HE	18	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	5	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	5	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	5	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	5	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	10	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	10	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	10	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	10	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	14	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	14	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	14	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	14	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	15	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	15	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	15	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	15	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	18	0.11
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	18	0.11
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	18	0.11
(1,4179)	1:148:A:LEU:HD21	1:149:A:SER:H	17	0.11
(1,4179)	1:148:A:LEU:HD22	1:149:A:SER:H	17	0.11
(1,4179)	1:148:A:LEU:HD23	1:149:A:SER:H	17	0.11
(1,4109)	1:143:A:HIS:HA	1:143:A:HIS:H	1	0.11
(1,4109)	1:143:A:HIS:HA	1:143:A:HIS:H	6	0.11
(1,4109)	1:143:A:HIS:HA	1:143:A:HIS:H	8	0.11
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	1	0.11
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	5	0.11
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	10	0.11
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	14	0.11
(1,4021)	1:17:A:LEU:HD21	1:135:A:THR:H	6	0.11
(1,4021)	1:17:A:LEU:HD22	1:135:A:THR:H	6	0.11
(1,4021)	1:17:A:LEU:HD23	1:135:A:THR:H	6	0.11
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	8	0.11
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	8	0.11
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	14	0.11
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	14	0.11
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	16	0.11
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	16	0.11
(1,3949)	1:123:A:LEU:HB2	1:124:A:LEU:H	7	0.11
(1,3949)	1:123:A:LEU:HB3	1:124:A:LEU:H	7	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	1	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	3	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	4	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	6	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	13	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	15	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	16	0.11
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	18	0.11
(1,3928)	1:124:A:LEU:HG	1:122:A:MET:H	9	0.11
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	1	0.11
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	1	0.11
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	1	0.11
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	11	0.11
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	11	0.11
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	11	0.11
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	16	0.11
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	16	0.11
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	16	0.11
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	10	0.11
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	11	0.11
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	17	0.11
(1,3892)	1:86:A:ARG:HE	1:118:A:ARG:H	20	0.11
(1,3835)	1:110:A:LEU:HD21	1:111:A:LEU:H	3	0.11
(1,3835)	1:110:A:LEU:HD22	1:111:A:LEU:H	3	0.11
(1,3835)	1:110:A:LEU:HD23	1:111:A:LEU:H	3	0.11
(1,3835)	1:110:A:LEU:HD21	1:111:A:LEU:H	17	0.11
(1,3835)	1:110:A:LEU:HD22	1:111:A:LEU:H	17	0.11
(1,3835)	1:110:A:LEU:HD23	1:111:A:LEU:H	17	0.11
(1,3835)	1:110:A:LEU:HD21	1:111:A:LEU:H	18	0.11
(1,3835)	1:110:A:LEU:HD22	1:111:A:LEU:H	18	0.11
(1,3835)	1:110:A:LEU:HD23	1:111:A:LEU:H	18	0.11
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	1	0.11
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	6	0.11
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	8	0.11
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	12	0.11
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	13	0.11
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	14	0.11
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	5	0.11
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	5	0.11
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	7	0.11
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	7	0.11
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	16	0.11
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	16	0.11
(1,3801)	1:106:A:GLN:HA	1:107:A:PHE:H	12	0.11
(1,3801)	1:106:A:GLN:HA	1:107:A:PHE:H	13	0.11
(1,3796)	1:64:A:LEU:HD11	1:107:A:PHE:H	20	0.11
(1,3796)	1:64:A:LEU:HD12	1:107:A:PHE:H	20	0.11
(1,3796)	1:64:A:LEU:HD13	1:107:A:PHE:H	20	0.11
(1,3742)	1:127:A:ALA:H	1:95:A:SER:H	5	0.11
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	8	0.11
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	8	0.11
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	11	0.11
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	11	0.11
(1,3723)	1:105:A:LYS:HG2	1:91:A:ALA:H	17	0.11
(1,3723)	1:105:A:LYS:HG3	1:91:A:ALA:H	17	0.11
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	1	0.11
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	2	0.11
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	5	0.11
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	11	0.11
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3671)	1:86:A:ARG:HD2	1:86:A:ARG:H	11	0.11
(1,3671)	1:86:A:ARG:HD3	1:86:A:ARG:H	11	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	1	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	2	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	3	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	4	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	5	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	6	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	7	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	8	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	10	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	11	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	12	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	14	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	15	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	18	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	19	0.11
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	20	0.11
(1,3547)	1:68:A:ILE:HD11	1:68:A:ILE:H	17	0.11
(1,3547)	1:68:A:ILE:HD12	1:68:A:ILE:H	17	0.11
(1,3547)	1:68:A:ILE:HD13	1:68:A:ILE:H	17	0.11
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	16	0.11
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	16	0.11
(1,3358)	1:37:A:GLU:HA	1:37:A:GLU:H	11	0.11
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	1	0.11
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	8	0.11
(1,3306)	1:31:A:HIS:HD2	1:30:A:GLY:H	4	0.11
(1,3306)	1:31:A:HIS:HD2	1:30:A:GLY:H	19	0.11
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	1	0.11
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	1	0.11
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	1	0.11
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	6	0.11
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	6	0.11
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	6	0.11
(1,3301)	1:146:A:THR:HG21	1:143:A:HIS:H	10	0.11
(1,3301)	1:146:A:THR:HG22	1:143:A:HIS:H	10	0.11
(1,3301)	1:146:A:THR:HG23	1:143:A:HIS:H	10	0.11
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	18	0.11
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	18	0.11
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	18	0.11
(1,3282)	1:27:A:THR:HG21	1:27:A:THR:H	19	0.11
(1,3282)	1:27:A:THR:HG22	1:27:A:THR:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3282)	1:27:A:THR:HG23	1:27:A:THR:H	19	0.11
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	11	0.11
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	11	0.11
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	11	0.11
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	12	0.11
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	12	0.11
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	12	0.11
(1,3247)	1:25:A:ILE:HD11	1:24:A:ALA:H	13	0.11
(1,3247)	1:25:A:ILE:HD12	1:24:A:ALA:H	13	0.11
(1,3247)	1:25:A:ILE:HD13	1:24:A:ALA:H	13	0.11
(1,3212)	1:80:A:GLY:H	1:81:A:PHE:H	4	0.11
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	6	0.11
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	6	0.11
(1,3168)	1:4:A:ILE:HG12	1:4:A:ILE:H	20	0.11
(1,3168)	1:4:A:ILE:HG13	1:4:A:ILE:H	20	0.11
(1,3166)	1:3:A:GLU:HG2	1:4:A:ILE:H	2	0.11
(1,3166)	1:3:A:GLU:HG3	1:4:A:ILE:H	2	0.11
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	5	0.11
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	2	0.11
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	2	0.11
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	2	0.11
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	2	0.11
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	2	0.11
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	2	0.11
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB2	10	0.11
(1,3087)	1:85:A:LEU:HD21	1:87:A:TYR:HB3	10	0.11
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB2	10	0.11
(1,3087)	1:85:A:LEU:HD22	1:87:A:TYR:HB3	10	0.11
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB2	10	0.11
(1,3087)	1:85:A:LEU:HD23	1:87:A:TYR:HB3	10	0.11
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB2	10	0.11
(1,3031)	1:17:A:LEU:HD11	1:134:A:GLU:HB3	10	0.11
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB2	10	0.11
(1,3031)	1:17:A:LEU:HD12	1:134:A:GLU:HB3	10	0.11
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB2	10	0.11
(1,3031)	1:17:A:LEU:HD13	1:134:A:GLU:HB3	10	0.11
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	2	0.11
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	6	0.11
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	10	0.11
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	15	0.11
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD11	9	0.11
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD12	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD13	9	0.11
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD11	19	0.11
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD12	19	0.11
(1,2987)	1:125:A:ILE:HA	1:123:A:LEU:HD13	19	0.11
(1,2937)	1:110:A:LEU:H	1:111:A:LEU:HG	9	0.11
(1,2921)	1:110:A:LEU:HB2	1:108:A:ASP:HA	9	0.11
(1,2921)	1:110:A:LEU:HB3	1:108:A:ASP:HA	9	0.11
(1,2889)	1:145:A:GLY:H	1:144:A:TRP:HA	4	0.11
(1,2841)	1:87:A:TYR:HD1	1:85:A:LEU:HG	7	0.11
(1,2841)	1:87:A:TYR:HD2	1:85:A:LEU:HG	7	0.11
(1,2841)	1:87:A:TYR:HD1	1:85:A:LEU:HG	17	0.11
(1,2841)	1:87:A:TYR:HD2	1:85:A:LEU:HG	17	0.11
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD11	12	0.11
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD12	12	0.11
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD13	12	0.11
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD11	12	0.11
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD12	12	0.11
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD13	12	0.11
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD11	13	0.11
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD12	13	0.11
(1,2819)	1:48:A:GLN:HE21	1:79:A:LEU:HD13	13	0.11
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD11	13	0.11
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD12	13	0.11
(1,2819)	1:48:A:GLN:HE22	1:79:A:LEU:HD13	13	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	5	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	5	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	10	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	10	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	19	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	19	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	20	0.11
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	20	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	1	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	3	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	4	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	6	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	7	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	8	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	9	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	10	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	11	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	14	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	15	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	17	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	18	0.11
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	19	0.11
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	19	0.11
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	19	0.11
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	19	0.11
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	1	0.11
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	6	0.11
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	8	0.11
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	12	0.11
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	13	0.11
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	14	0.11
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	1	0.11
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	3	0.11
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	4	0.11
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	6	0.11
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	13	0.11
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	15	0.11
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	16	0.11
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	18	0.11
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG11	20	0.11
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG12	20	0.11
(1,2690)	1:47:A:TYR:HA	1:52:A:VAL:HG13	20	0.11
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	10	0.11
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	10	0.11
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	20	0.11
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	20	0.11
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	4	0.11
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	4	0.11
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	4	0.11
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB2	7	0.11
(1,2545)	1:86:A:ARG:H	1:85:A:LEU:HB3	7	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	1	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	2	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	5	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	6	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	7	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	8	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	9	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	11	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	14	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	15	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	16	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	18	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	19	0.11
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	20	0.11
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB1	9	0.11
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB2	9	0.11
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB3	9	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	5	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	5	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	5	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	7	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	7	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	7	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	14	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	14	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	14	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	16	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	16	0.11
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	16	0.11
(1,2412)	1:112:A:GLN:H	1:108:A:ASP:HA	11	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG21	8	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG22	8	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG23	8	0.11
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG21	8	0.11
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG22	8	0.11
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG23	8	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG21	17	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG22	17	0.11
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG23	17	0.11
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG21	17	0.11
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG22	17	0.11
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG23	17	0.11
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	3	0.11
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	3	0.11
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	11	0.11
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	11	0.11
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	13	0.11
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	13	0.11
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	15	0.11
(1,2292)	1:117:A:GLN:HG2	1:86:A:ARG:HA	11	0.11
(1,2292)	1:117:A:GLN:HG3	1:86:A:ARG:HA	11	0.11
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	5	0.11
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	10	0.11
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	14	0.11
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	16	0.11
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	18	0.11
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD2	1	0.11
(1,2280)	1:41:A:LEU:HA	1:46:A:PRO:HD3	1	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG2	2	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG3	2	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG2	5	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG3	5	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG2	8	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG3	8	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG2	17	0.11
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG3	17	0.11
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	3	0.11
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	3	0.11
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB2	1	0.11
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB3	1	0.11
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB2	1	0.11
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB3	1	0.11
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB2	1	0.11
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB3	1	0.11
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB2	4	0.11
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB3	4	0.11
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB2	4	0.11
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB3	4	0.11
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB2	4	0.11
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB3	4	0.11
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB2	16	0.11
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB3	16	0.11
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB2	16	0.11
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB3	16	0.11
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB2	16	0.11
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB3	16	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	3	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	3	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	3	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	4	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	4	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	4	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	4	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	14	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	14	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	14	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	14	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	16	0.11
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	16	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	16	0.11
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	16	0.11
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	13	0.11
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	13	0.11
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	13	0.11
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	13	0.11
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	13	0.11
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	13	0.11
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	13	0.11
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	13	0.11
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	13	0.11
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	13	0.11
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	13	0.11
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	13	0.11
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	1	0.11
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	4	0.11
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	10	0.11
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	13	0.11
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	15	0.11
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	16	0.11
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	17	0.11
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	20	0.11
(1,2092)	1:52:A:VAL:HG11	1:47:A:TYR:HA	20	0.11
(1,2092)	1:52:A:VAL:HG12	1:47:A:TYR:HA	20	0.11
(1,2092)	1:52:A:VAL:HG13	1:47:A:TYR:HA	20	0.11
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG21	20	0.11
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG22	20	0.11
(1,2061)	1:148:A:LEU:HG	1:119:A:VAL:HG23	20	0.11
(1,2059)	1:4:A:ILE:HD11	1:26:A:LEU:HG	5	0.11
(1,2059)	1:4:A:ILE:HD12	1:26:A:LEU:HG	5	0.11
(1,2059)	1:4:A:ILE:HD13	1:26:A:LEU:HG	5	0.11
(1,2059)	1:4:A:ILE:HD11	1:26:A:LEU:HG	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:4:A:ILE:HD12	1:26:A:LEU:HG	10	0.11
(1,2059)	1:4:A:ILE:HD13	1:26:A:LEU:HG	10	0.11
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	7	0.11
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	7	0.11
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	7	0.11
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	13	0.11
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	13	0.11
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	13	0.11
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD11	16	0.11
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD12	16	0.11
(1,1879)	1:119:A:VAL:HA	1:148:A:LEU:HD13	16	0.11
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	10	0.11
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	10	0.11
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	10	0.11
(1,1744)	1:32:A:LYS:HA	1:26:A:LEU:HB2	13	0.11
(1,1744)	1:32:A:LYS:HA	1:26:A:LEU:HB3	13	0.11
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	11	0.11
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	11	0.11
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	11	0.11
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	3	0.11
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	3	0.11
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	3	0.11
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	3	0.11
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	3	0.11
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	3	0.11
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA2	15	0.11
(1,1584)	1:25:A:ILE:HG21	1:145:A:GLY:HA3	15	0.11
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA2	15	0.11
(1,1584)	1:25:A:ILE:HG22	1:145:A:GLY:HA3	15	0.11
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA2	15	0.11
(1,1584)	1:25:A:ILE:HG23	1:145:A:GLY:HA3	15	0.11
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA2	7	0.11
(1,1577)	1:64:A:LEU:HD11	1:103:A:GLY:HA3	7	0.11
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA2	7	0.11
(1,1577)	1:64:A:LEU:HD12	1:103:A:GLY:HA3	7	0.11
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA2	7	0.11
(1,1577)	1:64:A:LEU:HD13	1:103:A:GLY:HA3	7	0.11
(1,1515)	1:136:A:GLU:HG2	1:136:A:GLU:HA	14	0.11
(1,1515)	1:136:A:GLU:HG3	1:136:A:GLU:HA	14	0.11
(1,1512)	1:105:A:LYS:HD2	1:102:A:ASN:HA	14	0.11
(1,1512)	1:105:A:LYS:HD3	1:102:A:ASN:HA	14	0.11
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	2	0.11
(1,1482)	1:41:A:LEU:HG	1:41:A:LEU:HA	4	0.11
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	1	0.11
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	1	0.11
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	3	0.11
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	3	0.11
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	6	0.11
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	6	0.11
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	7	0.11
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	7	0.11
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	10	0.11
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	10	0.11
(1,1452)	1:105:A:LYS:HD2	1:105:A:LYS:HA	17	0.11
(1,1452)	1:105:A:LYS:HD3	1:105:A:LYS:HA	17	0.11
(1,1444)	1:35:A:VAL:HB	1:34:A:THR:HA	4	0.11
(1,1444)	1:35:A:VAL:HB	1:34:A:THR:HA	5	0.11
(1,1444)	1:35:A:VAL:HB	1:34:A:THR:HA	15	0.11
(1,1444)	1:35:A:VAL:HB	1:34:A:THR:HA	18	0.11
(1,1440)	1:55:A:VAL:HG21	1:54:A:VAL:HA	1	0.11
(1,1440)	1:55:A:VAL:HG22	1:54:A:VAL:HA	1	0.11
(1,1440)	1:55:A:VAL:HG23	1:54:A:VAL:HA	1	0.11
(1,1440)	1:55:A:VAL:HG21	1:54:A:VAL:HA	4	0.11
(1,1440)	1:55:A:VAL:HG22	1:54:A:VAL:HA	4	0.11
(1,1440)	1:55:A:VAL:HG23	1:54:A:VAL:HA	4	0.11
(1,1440)	1:55:A:VAL:HG21	1:54:A:VAL:HA	6	0.11
(1,1440)	1:55:A:VAL:HG22	1:54:A:VAL:HA	6	0.11
(1,1440)	1:55:A:VAL:HG23	1:54:A:VAL:HA	6	0.11
(1,1440)	1:55:A:VAL:HG21	1:54:A:VAL:HA	14	0.11
(1,1440)	1:55:A:VAL:HG22	1:54:A:VAL:HA	14	0.11
(1,1440)	1:55:A:VAL:HG23	1:54:A:VAL:HA	14	0.11
(1,1440)	1:55:A:VAL:HG21	1:54:A:VAL:HA	19	0.11
(1,1440)	1:55:A:VAL:HG22	1:54:A:VAL:HA	19	0.11
(1,1440)	1:55:A:VAL:HG23	1:54:A:VAL:HA	19	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG21	12	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG22	12	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG23	12	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG21	13	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG22	13	0.11
(1,1378)	1:110:A:LEU:HG	1:75:A:ILE:HG23	13	0.11
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD11	13	0.11
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD12	13	0.11
(1,1314)	1:148:A:LEU:HD21	1:147:A:LEU:HD13	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD11	13	0.11
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD12	13	0.11
(1,1314)	1:148:A:LEU:HD22	1:147:A:LEU:HD13	13	0.11
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD11	13	0.11
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD12	13	0.11
(1,1314)	1:148:A:LEU:HD23	1:147:A:LEU:HD13	13	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	1	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	1	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	1	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	1	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	1	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	1	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	1	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	1	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	1	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	9	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	9	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	9	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	9	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	9	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	9	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	9	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	9	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	9	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	13	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	13	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	13	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	13	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	13	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	13	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	13	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	13	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	13	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	18	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	18	0.11
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	18	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	18	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	18	0.11
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	18	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	18	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	18	0.11
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	7	0.11
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	7	0.11
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	7	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	7	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	7	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	7	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	7	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	7	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	7	0.11
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	9	0.11
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	9	0.11
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	9	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	9	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	9	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	9	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	9	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	9	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	9	0.11
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD21	11	0.11
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD22	11	0.11
(1,1308)	1:141:A:VAL:HG11	1:53:A:LEU:HD23	11	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD21	11	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD22	11	0.11
(1,1308)	1:141:A:VAL:HG12	1:53:A:LEU:HD23	11	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD21	11	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD22	11	0.11
(1,1308)	1:141:A:VAL:HG13	1:53:A:LEU:HD23	11	0.11
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	5	0.11
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	11	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	3	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	3	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	3	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	11	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	11	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	11	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	15	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	15	0.11
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	15	0.11
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD11	5	0.11
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD12	5	0.11
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD13	5	0.11
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD11	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD12	5	0.11
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD13	5	0.11
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD11	11	0.11
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD12	11	0.11
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD13	11	0.11
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD11	11	0.11
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD12	11	0.11
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD13	11	0.11
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD11	12	0.11
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD12	12	0.11
(1,1168)	1:107:A:PHE:HB2	1:64:A:LEU:HD13	12	0.11
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD11	12	0.11
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD12	12	0.11
(1,1168)	1:107:A:PHE:HB3	1:64:A:LEU:HD13	12	0.11
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	19	0.11
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	19	0.11
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	19	0.11
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	19	0.11
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	19	0.11
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	19	0.11
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	4	0.11
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	4	0.11
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	4	0.11
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	4	0.11
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	4	0.11
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	4	0.11
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD21	5	0.11
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD22	5	0.11
(1,1149)	1:21:A:GLU:HG2	1:17:A:LEU:HD23	5	0.11
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD21	5	0.11
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD22	5	0.11
(1,1149)	1:21:A:GLU:HG3	1:17:A:LEU:HD23	5	0.11
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG12	19	0.11
(1,1106)	1:55:A:VAL:HG21	1:90:A:ILE:HG13	19	0.11
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG12	19	0.11
(1,1106)	1:55:A:VAL:HG22	1:90:A:ILE:HG13	19	0.11
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG12	19	0.11
(1,1106)	1:55:A:VAL:HG23	1:90:A:ILE:HG13	19	0.11
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	5	0.11
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	5	0.11
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	5	0.11
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD11	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD12	14	0.11
(1,986)	1:123:A:LEU:HA	1:123:A:LEU:HD13	14	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD11	6	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD12	6	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD13	6	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD11	14	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD12	14	0.11
(1,984)	1:79:A:LEU:HA	1:79:A:LEU:HD13	14	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	15	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	15	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	15	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	18	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	18	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	18	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	20	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	20	0.11
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	20	0.11
(1,864)	1:47:A:TYR:HA	1:50:A:LYS:HD2	8	0.11
(1,864)	1:47:A:TYR:HA	1:50:A:LYS:HD3	8	0.11
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	8	0.11
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	8	0.11
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	11	0.11
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	11	0.11
(1,772)	1:136:A:GLU:HA	1:136:A:GLU:HG2	14	0.11
(1,772)	1:136:A:GLU:HA	1:136:A:GLU:HG3	14	0.11
(1,719)	1:86:A:ARG:HB2	1:51:A:TYR:HA	1	0.11
(1,719)	1:86:A:ARG:HB3	1:51:A:TYR:HA	1	0.11
(1,719)	1:86:A:ARG:HB2	1:51:A:TYR:HA	2	0.11
(1,719)	1:86:A:ARG:HB3	1:51:A:TYR:HA	2	0.11
(1,710)	1:127:A:ALA:H	1:94:A:ASP:HA	6	0.11
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD11	20	0.11
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD12	20	0.11
(1,593)	1:112:A:GLN:HE21	1:111:A:LEU:HD13	20	0.11
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD11	20	0.11
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD12	20	0.11
(1,593)	1:112:A:GLN:HE22	1:111:A:LEU:HD13	20	0.11
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	18	0.11
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	18	0.11
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	18	0.11
(1,582)	1:27:A:THR:H	1:27:A:THR:HG21	19	0.11
(1,582)	1:27:A:THR:H	1:27:A:THR:HG22	19	0.11
(1,582)	1:27:A:THR:H	1:27:A:THR:HG23	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG21	18	0.11
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG22	18	0.11
(1,572)	1:22:A:ALA:H	1:141:A:VAL:HG23	18	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	5	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	5	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	5	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	14	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	14	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	14	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	19	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	19	0.11
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	19	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	1	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	1	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	1	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	8	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	8	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	8	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	13	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	13	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	13	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	19	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	19	0.11
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	19	0.11
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD11	7	0.11
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD12	7	0.11
(1,539)	1:64:A:LEU:H	1:64:A:LEU:HD13	7	0.11
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	16	0.11
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	16	0.11
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	16	0.11
(1,400)	1:99:A:ASN:H	1:98:A:VAL:HB	4	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	3	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	3	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	7	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	7	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	9	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	9	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	10	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	10	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	11	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	11	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	16	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	18	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	18	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	20	0.11
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	20	0.11
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG2	3	0.11
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG3	3	0.11
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG2	11	0.11
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG3	11	0.11
(1,186)	1:100:A:PHE:H	1:99:A:ASN:HA	13	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	1	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	2	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	3	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	4	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	5	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	6	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	7	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	8	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	10	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	11	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	12	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	14	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	15	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	18	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	19	0.11
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	20	0.11
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	2	0.11
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	3	0.11
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	8	0.11
(1,153)	1:43:A:ASP:H	1:43:A:ASP:HA	20	0.11
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	13	0.11
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	14	0.11
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	19	0.11
(1,129)	1:74:A:GLY:H	1:71:A:LEU:HA	14	0.11
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	2	0.11
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	3	0.11
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	5	0.11
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	11	0.11
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	12	0.11
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	13	0.11
(1,114)	1:143:A:HIS:H	1:143:A:HIS:HA	1	0.11
(1,114)	1:143:A:HIS:H	1:143:A:HIS:HA	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:143:A:HIS:H	1:143:A:HIS:HA	8	0.11
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	2	0.11
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	10	0.11
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	17	0.11
(1,102)	1:24:A:ALA:H	1:23:A:GLU:HA	2	0.11
(1,102)	1:24:A:ALA:H	1:23:A:GLU:HA	11	0.11
(1,95)	1:96:A:SER:H	1:96:A:SER:HA	10	0.11
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	5	0.11
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	7	0.11
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	14	0.11
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	18	0.11
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	3	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	2	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	3	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	4	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	6	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	8	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	12	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	14	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	17	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	18	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	19	0.11
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	20	0.11
(1,4267)	1:123:A:LEU:HG	1:140:A:TRP:HE1	13	0.1
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	4	0.1
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	4	0.1
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	4	0.1
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	4	0.1
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD21	7	0.1
(1,4239)	1:132:A:GLU:HG2	1:130:A:ASN:HD22	7	0.1
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD21	7	0.1
(1,4239)	1:132:A:GLU:HG3	1:130:A:ASN:HD22	7	0.1
(1,4179)	1:148:A:LEU:HD21	1:149:A:SER:H	7	0.1
(1,4179)	1:148:A:LEU:HD22	1:149:A:SER:H	7	0.1
(1,4179)	1:148:A:LEU:HD23	1:149:A:SER:H	7	0.1
(1,4135)	1:142:A:GLU:H	1:145:A:GLY:H	6	0.1
(1,4109)	1:143:A:HIS:HA	1:143:A:HIS:H	20	0.1
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	6	0.1
(1,4053)	1:138:A:ASN:H	1:137:A:SER:H	8	0.1
(1,3995)	1:130:A:ASN:HA	1:129:A:GLU:H	16	0.1
(1,3955)	1:124:A:LEU:HB2	1:125:A:ILE:H	4	0.1
(1,3955)	1:124:A:LEU:HB3	1:125:A:ILE:H	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3938)	1:123:A:LEU:HG	1:123:A:LEU:H	14	0.1
(1,3922)	1:121:A:GLU:H	1:122:A:MET:H	4	0.1
(1,3922)	1:121:A:GLU:H	1:122:A:MET:H	15	0.1
(1,3921)	1:122:A:MET:H	1:121:A:GLU:H	4	0.1
(1,3921)	1:122:A:MET:H	1:121:A:GLU:H	15	0.1
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	2	0.1
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	2	0.1
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	2	0.1
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	3	0.1
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	3	0.1
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	3	0.1
(1,3899)	1:111:A:LEU:HD11	1:119:A:VAL:H	6	0.1
(1,3899)	1:111:A:LEU:HD12	1:119:A:VAL:H	6	0.1
(1,3899)	1:111:A:LEU:HD13	1:119:A:VAL:H	6	0.1
(1,3885)	1:85:A:LEU:HD21	1:117:A:GLN:H	7	0.1
(1,3885)	1:85:A:LEU:HD22	1:117:A:GLN:H	7	0.1
(1,3885)	1:85:A:LEU:HD23	1:117:A:GLN:H	7	0.1
(1,3835)	1:110:A:LEU:HD21	1:111:A:LEU:H	5	0.1
(1,3835)	1:110:A:LEU:HD22	1:111:A:LEU:H	5	0.1
(1,3835)	1:110:A:LEU:HD23	1:111:A:LEU:H	5	0.1
(1,3835)	1:110:A:LEU:HD21	1:111:A:LEU:H	6	0.1
(1,3835)	1:110:A:LEU:HD22	1:111:A:LEU:H	6	0.1
(1,3835)	1:110:A:LEU:HD23	1:111:A:LEU:H	6	0.1
(1,3835)	1:110:A:LEU:HD21	1:111:A:LEU:H	9	0.1
(1,3835)	1:110:A:LEU:HD22	1:111:A:LEU:H	9	0.1
(1,3835)	1:110:A:LEU:HD23	1:111:A:LEU:H	9	0.1
(1,3835)	1:110:A:LEU:HD21	1:111:A:LEU:H	20	0.1
(1,3835)	1:110:A:LEU:HD22	1:111:A:LEU:H	20	0.1
(1,3835)	1:110:A:LEU:HD23	1:111:A:LEU:H	20	0.1
(1,3834)	1:110:A:LEU:HG	1:111:A:LEU:H	9	0.1
(1,3825)	1:87:A:TYR:HE1	1:111:A:LEU:H	15	0.1
(1,3825)	1:87:A:TYR:HE2	1:111:A:LEU:H	15	0.1
(1,3804)	1:87:A:TYR:HE1	1:107:A:PHE:H	3	0.1
(1,3804)	1:87:A:TYR:HE2	1:107:A:PHE:H	3	0.1
(1,3801)	1:106:A:GLN:HA	1:107:A:PHE:H	6	0.1
(1,3801)	1:106:A:GLN:HA	1:107:A:PHE:H	11	0.1
(1,3801)	1:106:A:GLN:HA	1:107:A:PHE:H	18	0.1
(1,3733)	1:126:A:ASP:HA	1:93:A:GLY:H	6	0.1
(1,3704)	1:89:A:VAL:HA	1:89:A:VAL:H	19	0.1
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	9	0.1
(1,3606)	1:77:A:ASP:HA	1:77:A:ASP:H	13	0.1
(1,3547)	1:68:A:ILE:HD11	1:68:A:ILE:H	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3547)	1:68:A:ILE:HD12	1:68:A:ILE:H	4	0.1
(1,3547)	1:68:A:ILE:HD13	1:68:A:ILE:H	4	0.1
(1,3547)	1:68:A:ILE:HD11	1:68:A:ILE:H	10	0.1
(1,3547)	1:68:A:ILE:HD12	1:68:A:ILE:H	10	0.1
(1,3547)	1:68:A:ILE:HD13	1:68:A:ILE:H	10	0.1
(1,3396)	1:43:A:ASP:HB2	1:42:A:SER:H	13	0.1
(1,3396)	1:43:A:ASP:HB3	1:42:A:SER:H	13	0.1
(1,3396)	1:43:A:ASP:HB2	1:42:A:SER:H	15	0.1
(1,3396)	1:43:A:ASP:HB3	1:42:A:SER:H	15	0.1
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	1	0.1
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	1	0.1
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	7	0.1
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	7	0.1
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	9	0.1
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	9	0.1
(1,3394)	1:40:A:GLU:HG2	1:42:A:SER:H	15	0.1
(1,3394)	1:40:A:GLU:HG3	1:42:A:SER:H	15	0.1
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	9	0.1
(1,3325)	1:32:A:LYS:HA	1:32:A:LYS:H	12	0.1
(1,3306)	1:31:A:HIS:HD2	1:30:A:GLY:H	1	0.1
(1,3090)	1:58:A:THR:H	1:59:A:THR:HB	4	0.1
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	3	0.1
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	11	0.1
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	14	0.1
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	18	0.1
(1,3025)	1:132:A:GLU:HA	1:133:A:PRO:HA	20	0.1
(1,2841)	1:87:A:TYR:HD1	1:85:A:LEU:HG	1	0.1
(1,2841)	1:87:A:TYR:HD2	1:85:A:LEU:HG	1	0.1
(1,2841)	1:87:A:TYR:HD1	1:85:A:LEU:HG	10	0.1
(1,2841)	1:87:A:TYR:HD2	1:85:A:LEU:HG	10	0.1
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	7	0.1
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	7	0.1
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	12	0.1
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	12	0.1
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	13	0.1
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	13	0.1
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD2	17	0.1
(1,2799)	1:110:A:LEU:HG	1:76:A:LYS:HD3	17	0.1
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	5	0.1
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	16	0.1
(1,2783)	1:76:A:LYS:H	1:75:A:ILE:HA	20	0.1
(1,2777)	1:47:A:TYR:HE1	1:52:A:VAL:HG11	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2777)	1:47:A:TYR:HE1	1:52:A:VAL:HG12	14	0.1
(1,2777)	1:47:A:TYR:HE1	1:52:A:VAL:HG13	14	0.1
(1,2777)	1:47:A:TYR:HE2	1:52:A:VAL:HG11	14	0.1
(1,2777)	1:47:A:TYR:HE2	1:52:A:VAL:HG12	14	0.1
(1,2777)	1:47:A:TYR:HE2	1:52:A:VAL:HG13	14	0.1
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD11	6	0.1
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD12	6	0.1
(1,2774)	1:75:A:ILE:H	1:71:A:LEU:HD13	6	0.1
(1,2767)	1:111:A:LEU:H	1:110:A:LEU:HG	9	0.1
(1,2762)	1:123:A:LEU:H	1:123:A:LEU:HG	14	0.1
(1,2665)	1:82:A:GLN:HG2	1:48:A:GLN:HA	12	0.1
(1,2665)	1:82:A:GLN:HG3	1:48:A:GLN:HA	12	0.1
(1,2630)	1:106:A:GLN:H	1:102:A:ASN:HA	19	0.1
(1,2502)	1:143:A:HIS:H	1:25:A:ILE:HG21	1	0.1
(1,2502)	1:143:A:HIS:H	1:25:A:ILE:HG22	1	0.1
(1,2502)	1:143:A:HIS:H	1:25:A:ILE:HG23	1	0.1
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	3	0.1
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	12	0.1
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	13	0.1
(1,2483)	1:25:A:ILE:H	1:24:A:ALA:HA	17	0.1
(1,2457)	1:21:A:GLU:H	1:20:A:GLU:HB2	15	0.1
(1,2457)	1:21:A:GLU:H	1:20:A:GLU:HB3	15	0.1
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB1	20	0.1
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB2	20	0.1
(1,2448)	1:18:A:VAL:H	1:19:A:ALA:HB3	20	0.1
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	2	0.1
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	2	0.1
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	2	0.1
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD11	15	0.1
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD12	15	0.1
(1,2418)	1:21:A:GLU:HA	1:17:A:LEU:HD13	15	0.1
(1,2349)	1:4:A:ILE:HD11	1:4:A:ILE:HG21	4	0.1
(1,2349)	1:4:A:ILE:HD11	1:4:A:ILE:HG22	4	0.1
(1,2349)	1:4:A:ILE:HD11	1:4:A:ILE:HG23	4	0.1
(1,2349)	1:4:A:ILE:HD12	1:4:A:ILE:HG21	4	0.1
(1,2349)	1:4:A:ILE:HD12	1:4:A:ILE:HG22	4	0.1
(1,2349)	1:4:A:ILE:HD12	1:4:A:ILE:HG23	4	0.1
(1,2349)	1:4:A:ILE:HD13	1:4:A:ILE:HG21	4	0.1
(1,2349)	1:4:A:ILE:HD13	1:4:A:ILE:HG22	4	0.1
(1,2349)	1:4:A:ILE:HD13	1:4:A:ILE:HG23	4	0.1
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG21	6	0.1
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG22	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG23	6	0.1
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG21	6	0.1
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG22	6	0.1
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG23	6	0.1
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG21	9	0.1
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG22	9	0.1
(1,2346)	1:51:A:TYR:HD1	1:4:A:ILE:HG23	9	0.1
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG21	9	0.1
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG22	9	0.1
(1,2346)	1:51:A:TYR:HD2	1:4:A:ILE:HG23	9	0.1
(1,2335)	1:31:A:HIS:HB2	1:4:A:ILE:HG12	20	0.1
(1,2335)	1:31:A:HIS:HB2	1:4:A:ILE:HG13	20	0.1
(1,2335)	1:31:A:HIS:HB3	1:4:A:ILE:HG12	20	0.1
(1,2335)	1:31:A:HIS:HB3	1:4:A:ILE:HG13	20	0.1
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	7	0.1
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	7	0.1
(1,2330)	1:53:A:LEU:HB2	1:4:A:ILE:HB	9	0.1
(1,2330)	1:53:A:LEU:HB3	1:4:A:ILE:HB	9	0.1
(1,2291)	1:92:A:LEU:HG	1:57:A:SER:HA	1	0.1
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	15	0.1
(1,2287)	1:53:A:LEU:HG	1:6:A:ILE:HA	20	0.1
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG2	13	0.1
(1,2247)	1:143:A:HIS:H	1:142:A:GLU:HG3	13	0.1
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG2	19	0.1
(1,2245)	1:123:A:LEU:HG	1:136:A:GLU:HG3	19	0.1
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB2	2	0.1
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB3	2	0.1
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB2	2	0.1
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB3	2	0.1
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB2	2	0.1
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB3	2	0.1
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB2	11	0.1
(1,2227)	1:26:A:LEU:HD11	1:51:A:TYR:HB3	11	0.1
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB2	11	0.1
(1,2227)	1:26:A:LEU:HD12	1:51:A:TYR:HB3	11	0.1
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB2	11	0.1
(1,2227)	1:26:A:LEU:HD13	1:51:A:TYR:HB3	11	0.1
(1,2197)	1:17:A:LEU:HD21	1:134:A:GLU:HG2	3	0.1
(1,2197)	1:17:A:LEU:HD21	1:134:A:GLU:HG3	3	0.1
(1,2197)	1:17:A:LEU:HD22	1:134:A:GLU:HG2	3	0.1
(1,2197)	1:17:A:LEU:HD22	1:134:A:GLU:HG3	3	0.1
(1,2197)	1:17:A:LEU:HD23	1:134:A:GLU:HG2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:17:A:LEU:HD23	1:134:A:GLU:HG3	3	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	2	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	2	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	2	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	2	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	11	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	11	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	11	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	11	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	12	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	12	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	12	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	12	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	13	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	13	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	13	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	13	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	15	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	15	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	15	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	15	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	17	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	17	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	17	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	17	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA2	19	0.1
(1,2170)	1:6:A:ILE:HG12	1:5:A:GLY:HA3	19	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA2	19	0.1
(1,2170)	1:6:A:ILE:HG13	1:5:A:GLY:HA3	19	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	3	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	3	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	3	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	3	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	3	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	3	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	3	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	3	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	3	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	3	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	3	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	3	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	4	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	4	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	4	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	4	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	4	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	4	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	4	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	4	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	4	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	4	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	4	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	6	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	6	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	6	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	6	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	6	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	6	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA2	6	0.1
(1,2153)	1:119:A:VAL:HG21	1:120:A:GLY:HA3	6	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA2	6	0.1
(1,2153)	1:119:A:VAL:HG22	1:120:A:GLY:HA3	6	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA2	6	0.1
(1,2153)	1:119:A:VAL:HG23	1:120:A:GLY:HA3	6	0.1
(1,2126)	1:93:A:GLY:H	1:126:A:ASP:HA	6	0.1
(1,2111)	1:129:A:GLU:H	1:127:A:ALA:HA	11	0.1
(1,2059)	1:4:A:ILE:HD11	1:26:A:LEU:HG	6	0.1
(1,2059)	1:4:A:ILE:HD12	1:26:A:LEU:HG	6	0.1
(1,2059)	1:4:A:ILE:HD13	1:26:A:LEU:HG	6	0.1
(1,2059)	1:4:A:ILE:HD11	1:26:A:LEU:HG	9	0.1
(1,2059)	1:4:A:ILE:HD12	1:26:A:LEU:HG	9	0.1
(1,2059)	1:4:A:ILE:HD13	1:26:A:LEU:HG	9	0.1
(1,2043)	1:53:A:LEU:HD21	1:90:A:ILE:HB	10	0.1
(1,2043)	1:53:A:LEU:HD22	1:90:A:ILE:HB	10	0.1
(1,2043)	1:53:A:LEU:HD23	1:90:A:ILE:HB	10	0.1
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG11	7	0.1
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG12	7	0.1
(1,1869)	1:38:A:ASP:HA	1:8:A:VAL:HG13	7	0.1
(1,1772)	1:20:A:GLU:HG2	1:21:A:GLU:HG2	2	0.1
(1,1772)	1:20:A:GLU:HG2	1:21:A:GLU:HG3	2	0.1
(1,1772)	1:20:A:GLU:HG3	1:21:A:GLU:HG2	2	0.1
(1,1772)	1:20:A:GLU:HG3	1:21:A:GLU:HG3	2	0.1
(1,1728)	1:52:A:VAL:HG11	1:51:A:TYR:HA	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:52:A:VAL:HG12	1:51:A:TYR:HA	4	0.1
(1,1728)	1:52:A:VAL:HG13	1:51:A:TYR:HA	4	0.1
(1,1607)	1:110:A:LEU:HD11	1:76:A:LYS:HE2	2	0.1
(1,1607)	1:110:A:LEU:HD11	1:76:A:LYS:HE3	2	0.1
(1,1607)	1:110:A:LEU:HD12	1:76:A:LYS:HE2	2	0.1
(1,1607)	1:110:A:LEU:HD12	1:76:A:LYS:HE3	2	0.1
(1,1607)	1:110:A:LEU:HD13	1:76:A:LYS:HE2	2	0.1
(1,1607)	1:110:A:LEU:HD13	1:76:A:LYS:HE3	2	0.1
(1,1607)	1:110:A:LEU:HD11	1:76:A:LYS:HE2	14	0.1
(1,1607)	1:110:A:LEU:HD11	1:76:A:LYS:HE3	14	0.1
(1,1607)	1:110:A:LEU:HD12	1:76:A:LYS:HE2	14	0.1
(1,1607)	1:110:A:LEU:HD12	1:76:A:LYS:HE3	14	0.1
(1,1607)	1:110:A:LEU:HD13	1:76:A:LYS:HE2	14	0.1
(1,1607)	1:110:A:LEU:HD13	1:76:A:LYS:HE3	14	0.1
(1,1515)	1:136:A:GLU:HG2	1:136:A:GLU:HA	7	0.1
(1,1515)	1:136:A:GLU:HG3	1:136:A:GLU:HA	7	0.1
(1,1512)	1:105:A:LYS:HD2	1:102:A:ASN:HA	5	0.1
(1,1512)	1:105:A:LYS:HD3	1:102:A:ASN:HA	5	0.1
(1,1444)	1:35:A:VAL:HB	1:34:A:THR:HA	10	0.1
(1,1444)	1:35:A:VAL:HB	1:34:A:THR:HA	17	0.1
(1,1440)	1:55:A:VAL:HG21	1:54:A:VAL:HA	10	0.1
(1,1440)	1:55:A:VAL:HG22	1:54:A:VAL:HA	10	0.1
(1,1440)	1:55:A:VAL:HG23	1:54:A:VAL:HA	10	0.1
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD11	5	0.1
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD12	5	0.1
(1,1312)	1:119:A:VAL:HG11	1:147:A:LEU:HD13	5	0.1
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD11	5	0.1
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD12	5	0.1
(1,1312)	1:119:A:VAL:HG12	1:147:A:LEU:HD13	5	0.1
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD11	5	0.1
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD12	5	0.1
(1,1312)	1:119:A:VAL:HG13	1:147:A:LEU:HD13	5	0.1
(1,1260)	1:125:A:ILE:HB	1:123:A:LEU:HG	10	0.1
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG21	6	0.1
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG22	6	0.1
(1,1217)	1:6:A:ILE:HB	1:55:A:VAL:HG23	6	0.1
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD11	7	0.1
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD12	7	0.1
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD13	7	0.1
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD11	7	0.1
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD12	7	0.1
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD13	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD11	8	0.1
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD12	8	0.1
(1,1193)	1:82:A:GLN:HB2	1:79:A:LEU:HD13	8	0.1
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD11	8	0.1
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD12	8	0.1
(1,1193)	1:82:A:GLN:HB3	1:79:A:LEU:HD13	8	0.1
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD11	11	0.1
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD12	11	0.1
(1,1158)	1:122:A:MET:HG2	1:124:A:LEU:HD13	11	0.1
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD11	11	0.1
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD12	11	0.1
(1,1158)	1:122:A:MET:HG3	1:124:A:LEU:HD13	11	0.1
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD11	19	0.1
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD12	19	0.1
(1,1157)	1:101:A:CYS:HB2	1:124:A:LEU:HD13	19	0.1
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD11	19	0.1
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD12	19	0.1
(1,1157)	1:101:A:CYS:HB3	1:124:A:LEU:HD13	19	0.1
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD11	7	0.1
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD12	7	0.1
(1,1058)	1:68:A:ILE:HA	1:68:A:ILE:HD13	7	0.1
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD11	7	0.1
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD12	7	0.1
(1,952)	1:107:A:PHE:HA	1:64:A:LEU:HD13	7	0.1
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	4	0.1
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	4	0.1
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	4	0.1
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD11	11	0.1
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD12	11	0.1
(1,928)	1:92:A:LEU:HA	1:92:A:LEU:HD13	11	0.1
(1,922)	1:26:A:LEU:HA	1:26:A:LEU:HG	4	0.1
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD21	10	0.1
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD22	10	0.1
(1,906)	1:92:A:LEU:HA	1:92:A:LEU:HD23	10	0.1
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	18	0.1
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	18	0.1
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG2	20	0.1
(1,789)	1:114:A:GLN:HA	1:82:A:GLN:HG3	20	0.1
(1,772)	1:136:A:GLU:HA	1:136:A:GLU:HG2	7	0.1
(1,772)	1:136:A:GLU:HA	1:136:A:GLU:HG3	7	0.1
(1,710)	1:127:A:ALA:H	1:94:A:ASP:HA	7	0.1
(1,710)	1:127:A:ALA:H	1:94:A:ASP:HA	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:5:A:GLY:H	1:4:A:ILE:HG21	20	0.1
(1,656)	1:5:A:GLY:H	1:4:A:ILE:HG22	20	0.1
(1,656)	1:5:A:GLY:H	1:4:A:ILE:HG23	20	0.1
(1,641)	1:51:A:TYR:HA	1:52:A:VAL:HG21	20	0.1
(1,641)	1:51:A:TYR:HA	1:52:A:VAL:HG22	20	0.1
(1,641)	1:51:A:TYR:HA	1:52:A:VAL:HG23	20	0.1
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD11	5	0.1
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD12	5	0.1
(1,573)	1:31:A:HIS:HD2	1:26:A:LEU:HD13	5	0.1
(1,567)	1:134:A:GLU:H	1:135:A:THR:HG21	16	0.1
(1,567)	1:134:A:GLU:H	1:135:A:THR:HG22	16	0.1
(1,567)	1:134:A:GLU:H	1:135:A:THR:HG23	16	0.1
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG11	20	0.1
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG12	20	0.1
(1,563)	1:48:A:GLN:H	1:52:A:VAL:HG13	20	0.1
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	7	0.1
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	7	0.1
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	7	0.1
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG11	20	0.1
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG12	20	0.1
(1,554)	1:19:A:ALA:H	1:18:A:VAL:HG13	20	0.1
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD11	12	0.1
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD12	12	0.1
(1,530)	1:44:A:TRP:HZ2	1:85:A:LEU:HD13	12	0.1
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB2	17	0.1
(1,390)	1:48:A:GLN:H	1:50:A:LYS:HB3	17	0.1
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG2	10	0.1
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG3	10	0.1
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG2	13	0.1
(1,347)	1:122:A:MET:H	1:121:A:GLU:HG3	13	0.1
(1,184)	1:127:A:ALA:H	1:127:A:ALA:HA	15	0.1
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	9	0.1
(1,160)	1:77:A:ASP:H	1:77:A:ASP:HA	13	0.1
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	1	0.1
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	2	0.1
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	3	0.1
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	5	0.1
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	9	0.1
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	12	0.1
(1,134)	1:111:A:LEU:H	1:111:A:LEU:HA	17	0.1
(1,129)	1:74:A:GLY:H	1:71:A:LEU:HA	11	0.1
(1,129)	1:74:A:GLY:H	1:71:A:LEU:HA	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:18:A:VAL:H	1:17:A:LEU:HA	7	0.1
(1,119)	1:24:A:ALA:H	1:21:A:GLU:HA	11	0.1
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	8	0.1
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	10	0.1
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	14	0.1
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	17	0.1
(1,117)	1:21:A:GLU:H	1:21:A:GLU:HA	20	0.1
(1,114)	1:143:A:HIS:H	1:143:A:HIS:HA	20	0.1
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	7	0.1
(1,103)	1:149:A:SER:H	1:149:A:SER:HA	8	0.1
(1,102)	1:24:A:ALA:H	1:23:A:GLU:HA	1	0.1
(1,102)	1:24:A:ALA:H	1:23:A:GLU:HA	18	0.1
(1,95)	1:96:A:SER:H	1:96:A:SER:HA	17	0.1
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	2	0.1
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	11	0.1
(1,91)	1:125:A:ILE:H	1:125:A:ILE:HA	15	0.1
(1,76)	1:35:A:VAL:H	1:35:A:VAL:HA	5	0.1
(1,32)	1:135:A:THR:H	1:135:A:THR:HB	15	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found