Full wwPDB NMR Structure Validation Report (i)

Mar 8, 2026 – 02:59 PM UTC

PDB ID	:	2LLU / pdb_00002llu
BMRB ID	:	18089
Title	:	Post-translational S-nitrosylation is an endogenous factor fine-tuning human S100A1 protein properties
Authors	:	Lenarcic Zivkovic, M.; Zareba-Koziol, M.; Zhukova, L.; Poznanski, J.; Zhukov, I.; Wyslouch-Cieszynska, A.
Deposited on	:	2011-11-17

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

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

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

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

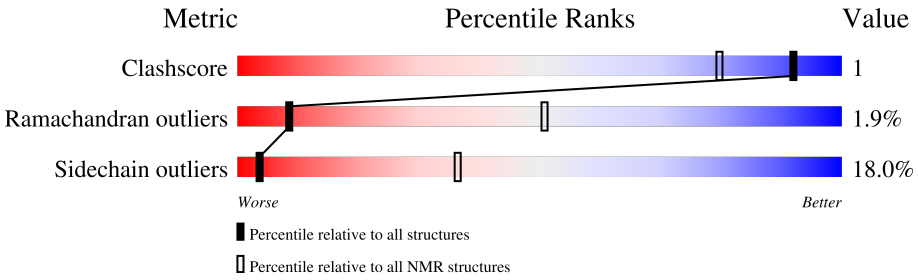
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 44%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	93	74% 19% • 5%
1	B	93	78% 15% • 5%

2 Ensemble composition and analysis

This entry contains 20 models. Model 9 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:89, B:2-B:89 (176)	0.44	9

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

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

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

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2870 atoms, of which 1408 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein S100-A1.

Mol	Chain	Residues	Atoms						Trace
1	A	93	Total	C	H	N	O	S	0
			1435	461	704	115	152	3	
1	B	93	Total	C	H	N	O	S	0
			1435	461	704	115	152	3	

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

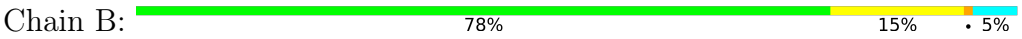
These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-coded according to the number of geometric quality criteria for 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.

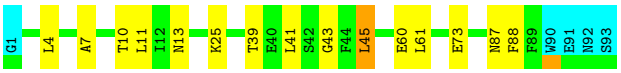
• Molecule 1: Protein S100-A1

Chain A:

• Molecule 1: Protein S100-A1

Chain B:





4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

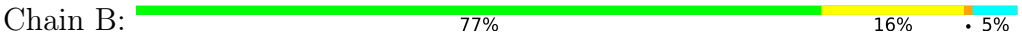
4.2.1 Score per residue for model 1

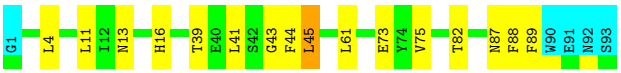
• Molecule 1: Protein S100-A1

Chain A:

• Molecule 1: Protein S100-A1

Chain B:

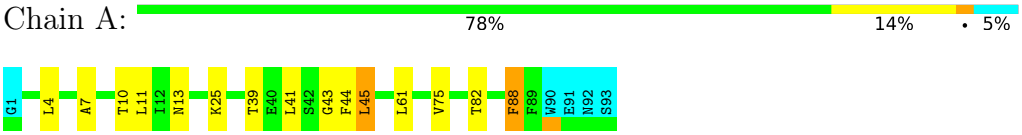




4.2.2 Score per residue for model 2

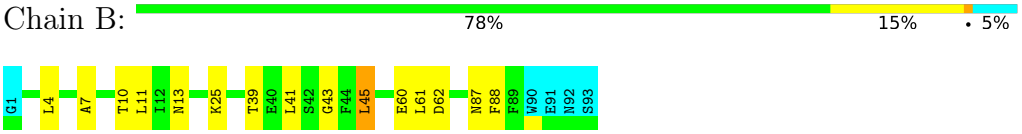
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

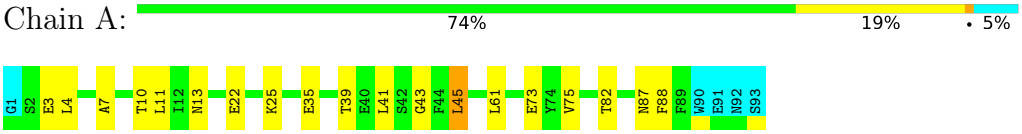
Chain B:



4.2.3 Score per residue for model 3

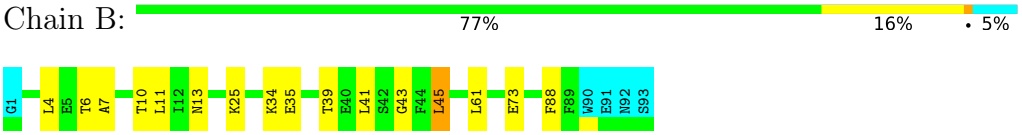
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

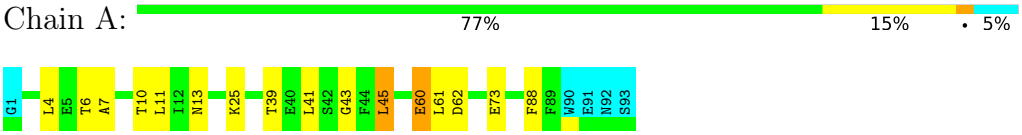
Chain B:



4.2.4 Score per residue for model 4

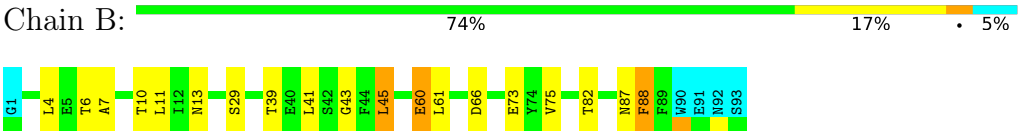
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

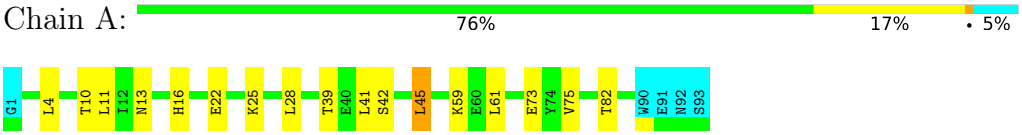
Chain B:



4.2.5 Score per residue for model 5

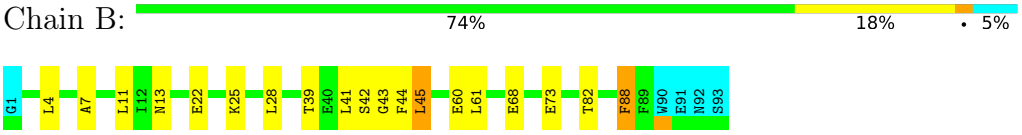
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

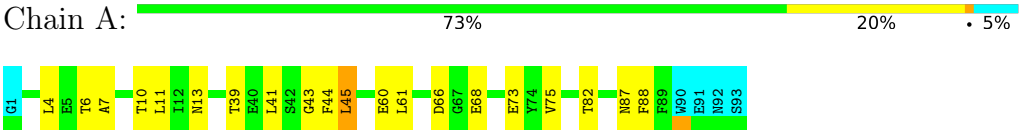
Chain B:



4.2.6 Score per residue for model 6

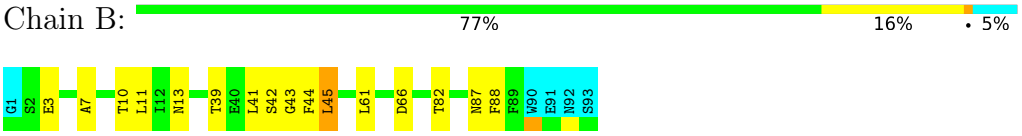
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

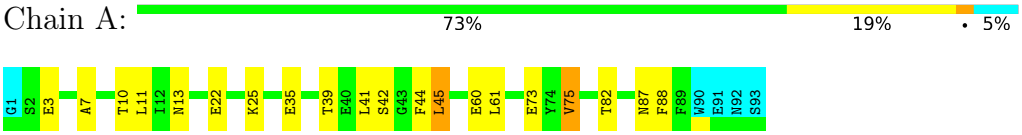
Chain B:



4.2.7 Score per residue for model 7

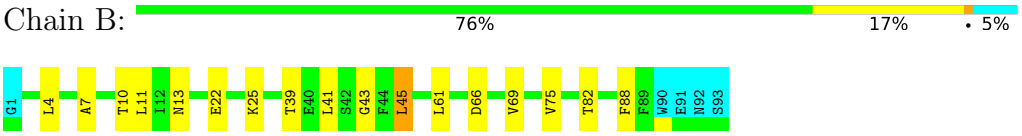
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

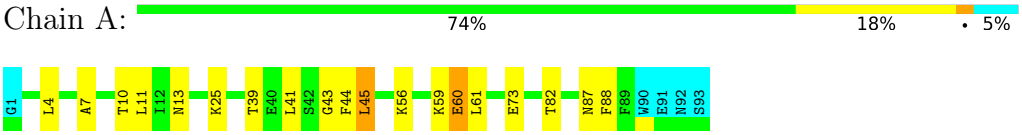
Chain B:



4.2.8 Score per residue for model 8

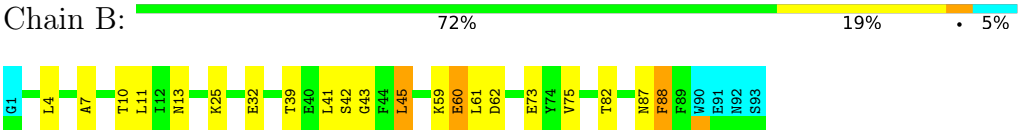
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

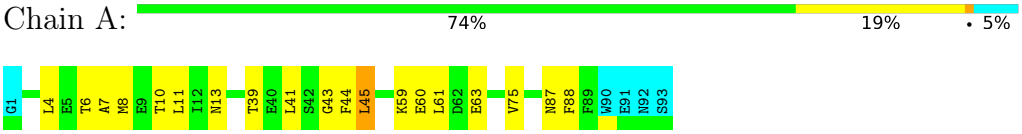
Chain B:



4.2.9 Score per residue for model 9 (medoid)

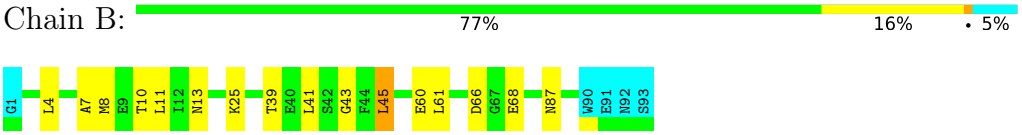
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

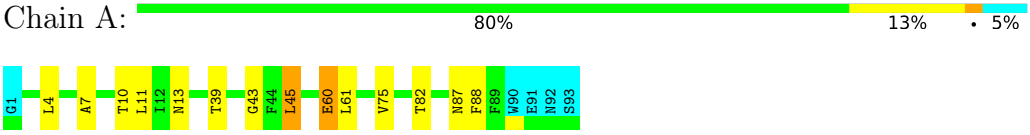
Chain B:



4.2.10 Score per residue for model 10

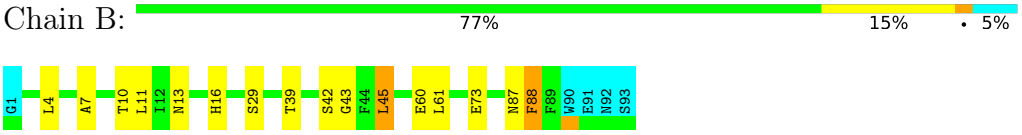
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

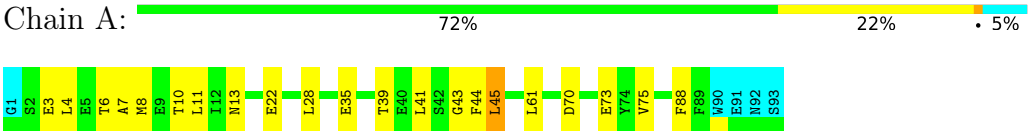
Chain B:



4.2.11 Score per residue for model 11

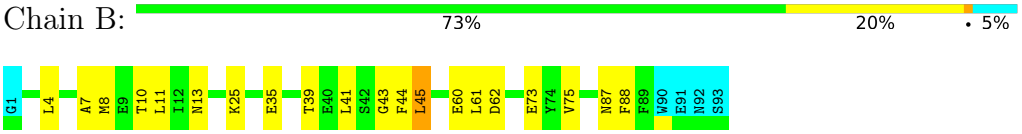
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

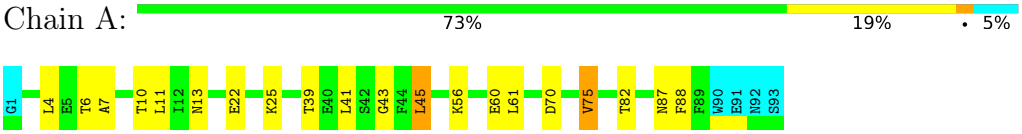
Chain B:



4.2.12 Score per residue for model 12

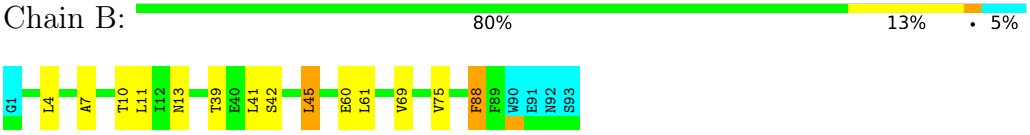
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

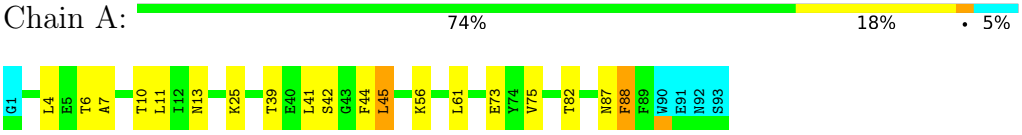
Chain B:



4.2.13 Score per residue for model 13

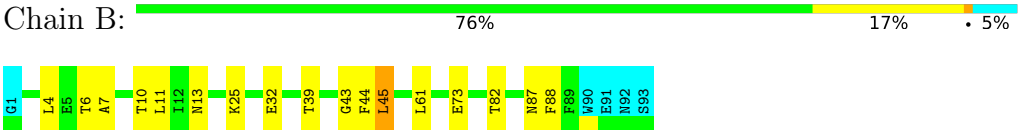
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

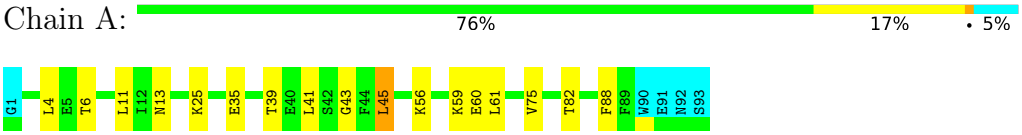
Chain B:



4.2.14 Score per residue for model 14

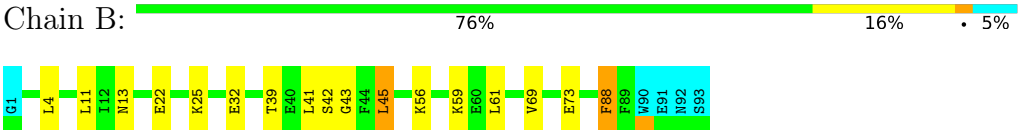
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

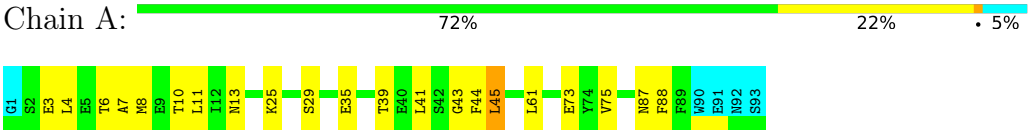
Chain B:



4.2.15 Score per residue for model 15

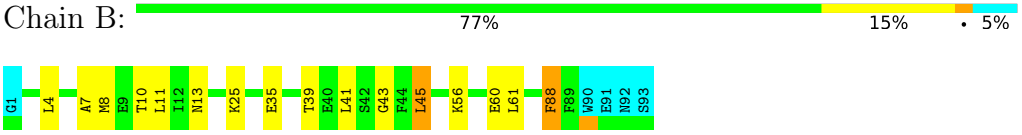
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

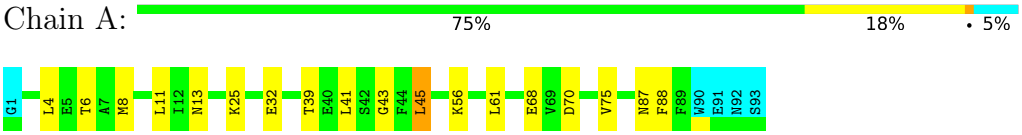
Chain B:



4.2.16 Score per residue for model 16

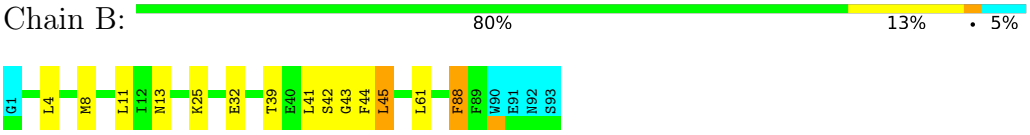
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

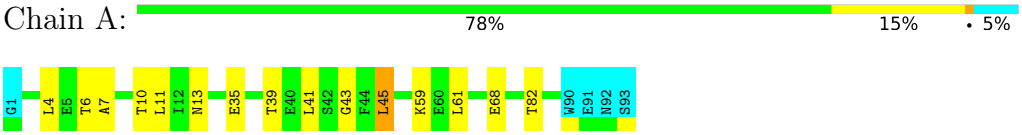
Chain B:



4.2.17 Score per residue for model 17

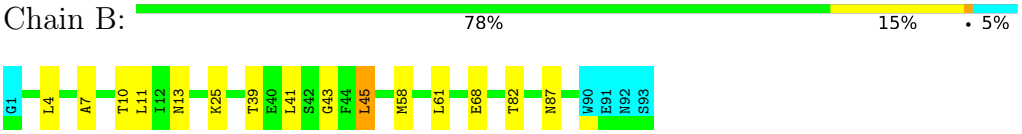
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

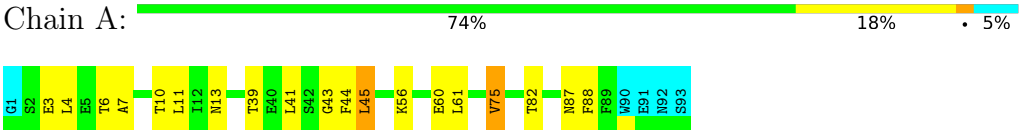
Chain B:



4.2.18 Score per residue for model 18

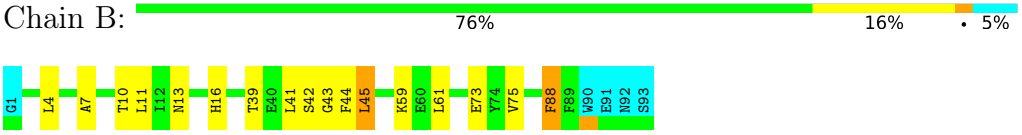
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

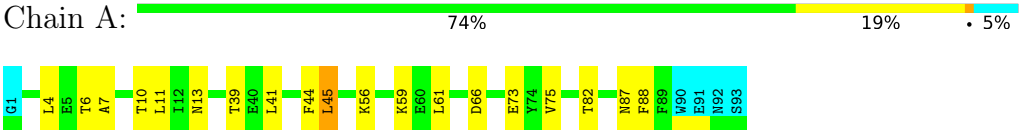
Chain B:



4.2.19 Score per residue for model 19

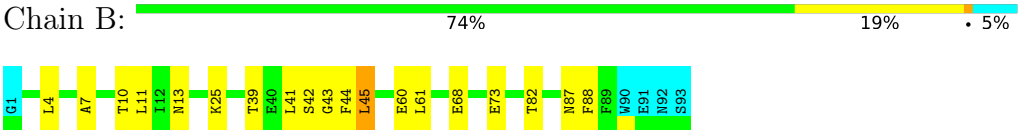
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

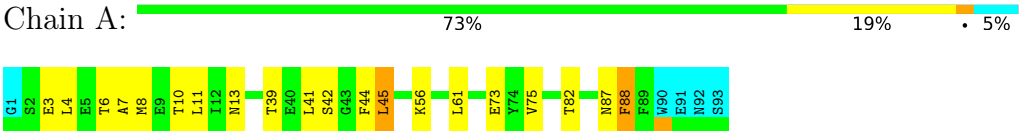
Chain B:



4.2.20 Score per residue for model 20

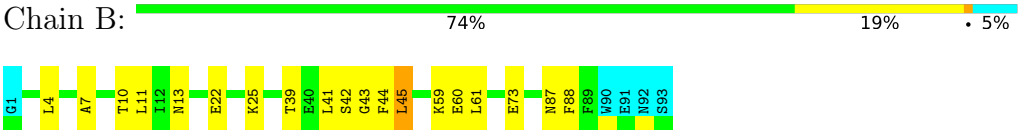
- Molecule 1: Protein S100-A1

Chain A:



- Molecule 1: Protein S100-A1

Chain B:



5 Refinement protocol and experimental data overview

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

Of the 200 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	3.0
X-PLOR NIH	structure solution	
X-PLOR NIH	refinement	
YASARA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1071
Number of shifts mapped to atoms	1071
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	44%

6 Model quality

6.1 Standard geometry

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	0.76±0.02	0±0/699 (0.0± 0.0%)	0.89±0.02	0±0/941 (0.0± 0.0%)
1	B	0.76±0.02	0±0/699 (0.0± 0.0%)	0.88±0.02	0±0/941 (0.0± 0.1%)
All	All	0.76	1/27960 (0.0%)	0.89	14/37640 (0.0%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.1±0.2
All	All	0	1

All unique bond outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	B	58	MET	SD-CE	-5.59	1.65	1.79	17	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	B	60	GLU	N-CA-C	-5.83	104.84	111.14	9	8
1	A	60	GLU	N-CA-C	-5.66	105.03	111.14	10	6

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	87	ASN	Mainchain	1

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	690	674	674	3±1
1	B	690	674	674	3±1
All	All	27600	26960	26960	80

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 1.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:22:GLU:H	1:A:22:GLU:CD	0.57	2.07	5	1
1:A:75:VAL:HG13	1:B:75:VAL:HG12	0.56	1.75	18	3
1:B:45:LEU:HD22	1:B:45:LEU:C	0.52	2.29	17	20
1:A:45:LEU:C	1:A:45:LEU:HD22	0.52	2.30	17	20
1:B:22:GLU:H	1:B:22:GLU:CD	0.51	2.14	5	1
1:A:7:ALA:HB2	1:B:10:THR:OG1	0.50	2.06	2	16
1:A:10:THR:OG1	1:B:7:ALA:HB2	0.47	2.09	18	17
1:B:41:LEU:HD22	1:B:44:PHE:H	0.45	1.71	6	1
1:A:41:LEU:HD22	1:A:44:PHE:H	0.43	1.73	6	1

6.3 Torsion angles

6.3.1 Protein backbone

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	88/93 (95%)	83±1 (95±1%)	3±1 (3±1%)	2±1 (2±1%)	9	52
1	B	88/93 (95%)	83±1 (94±1%)	3±1 (4±1%)	2±1 (2±1%)	8	49
All	All	3520/3720 (95%)	3326 (94%)	126 (4%)	68 (2%)	8	51

All 5 unique Ramachandran outliers are listed below. They are sorted by the frequency of occur-

rence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	B	43	GLY	19
1	A	88	PHE	17
1	B	88	PHE	16
1	A	43	GLY	15
1	B	42	SER	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	76/80 (95%)	61±2 (81±3%)	15±2 (19±3%)	3	34
1	B	76/80 (95%)	63±2 (83±3%)	13±2 (17±3%)	4	38
All	All	3040/3200 (95%)	2492 (82%)	548 (18%)	4	36

All 64 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	11	LEU	20
1	A	13	ASN	20
1	A	39	THR	20
1	A	45	LEU	20
1	A	61	LEU	20
1	B	11	LEU	20
1	B	13	ASN	20
1	B	39	THR	20
1	B	45	LEU	20
1	B	61	LEU	20
1	A	4	LEU	19
1	B	4	LEU	19
1	A	41	LEU	18
1	B	41	LEU	17
1	A	75	VAL	16
1	A	82	THR	15
1	A	6	THR	14
1	B	25	LYS	14

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Mol	Chain	Res	Type	Models (Total)
1	A	73	GLU	12
1	B	73	GLU	12
1	B	87	ASN	12
1	A	87	ASN	12
1	A	44	PHE	11
1	A	25	LYS	11
1	A	56	LYS	9
1	B	82	THR	9
1	B	42	SER	9
1	B	44	PHE	8
1	A	60	GLU	7
1	A	3	GLU	6
1	A	35	GLU	6
1	A	59	LYS	6
1	B	60	GLU	5
1	A	8	MET	5
1	B	75	VAL	4
1	A	22	GLU	4
1	B	66	ASP	4
1	A	42	SER	4
1	B	68	GLU	4
1	B	32	GLU	4
1	B	59	LYS	4
1	B	8	MET	4
1	A	66	ASP	3
1	B	16	HIS	3
1	B	62	ASP	3
1	B	6	THR	3
1	B	35	GLU	3
1	A	68	GLU	3
1	B	22	GLU	3
1	B	69	VAL	3
1	A	70	ASP	3
1	A	29	SER	2
1	B	29	SER	2
1	A	28	LEU	2
1	B	56	LYS	2
1	B	89	PHE	1
1	B	34	LYS	1
1	A	62	ASP	1
1	B	88	PHE	1
1	A	16	HIS	1

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Mol	Chain	Res	Type	Models (Total)
1	B	28	LEU	1
1	B	3	GLU	1
1	A	63	GLU	1
1	A	32	GLU	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

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

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1071
Number of shifts mapped to atoms	1071
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	4

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	93	-0.32 ± 0.12	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	87	0.12 ± 0.10	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	91	0.30 ± 0.17	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 44%, i.e. 1022 atoms were assigned a chemical shift out of a possible 2342. 0 out of 40 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	355/890 (40%)	180/362 (50%)	88/352 (25%)	87/176 (49%)
Sidechain	593/1288 (46%)	406/832 (49%)	180/424 (42%)	7/32 (22%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	74/164 (45%)	37/82 (45%)	37/78 (47%)	0/4 (0%)
Overall	1022/2342 (44%)	623/1276 (49%)	305/854 (36%)	94/212 (44%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 44%, i.e. 1071 atoms were assigned a chemical shift out of a possible 2458. 0 out of 40 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	374/942 (40%)	190/384 (49%)	93/372 (25%)	91/186 (49%)
Sidechain	611/1328 (46%)	418/856 (49%)	185/438 (42%)	8/34 (24%)
Aromatic	86/188 (46%)	43/94 (46%)	42/88 (48%)	1/6 (17%)
Overall	1071/2458 (44%)	651/1334 (49%)	320/898 (36%)	100/226 (44%)

7.1.4 Statistically unusual chemical shifts (i)

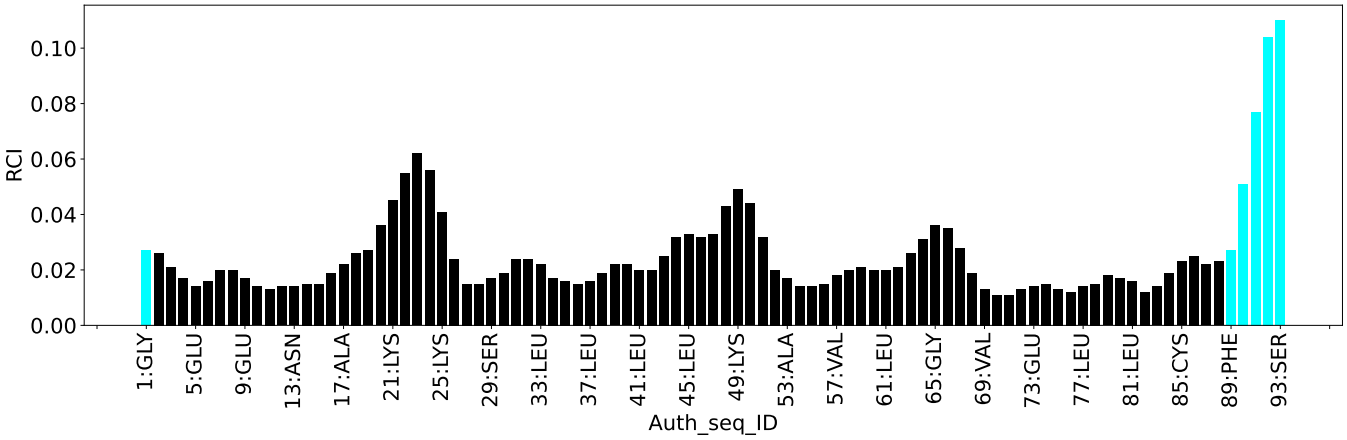
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	5	GLU	HG2	0.41	1.24 – 3.30	-9.0
1	A	49	LYS	HB2	0.33	0.58 – 2.97	-6.1
1	A	49	LYS	HB3	0.26	0.46 – 3.04	-5.8
1	A	25	LYS	HG2	-0.04	0.13 – 2.61	-5.7

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.00
0.02
0.04
0.06
0.08
0.10
1:GLY
5:GLU
9:GLU
13:ASN
17:ALA
21:LYS
25:LYS
29:SER
33:LEU
37:LEU
41:LEU
45:LEU
49:LYS
53:ALA
57:VAL
61:LEU
65:GLY
69:VAL
73:GLU
77:LEU
81:LEU
85:CYS
89:PHE
93:SER
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3196
Intra-residue (|i-j|=0)	670
Sequential (|i-j|=1)	882
Medium range (|i-j|>1 and |i-j|<5)	778
Long range (|i-j|≥5)	426
Inter-chain	440
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	17.2
Number of long range restraints per residue[1]	2.3

[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)	32.7	0.2
0.2-0.5 (Medium)	80.8	0.5
>0.5 (Large)	139.3	3.48

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)

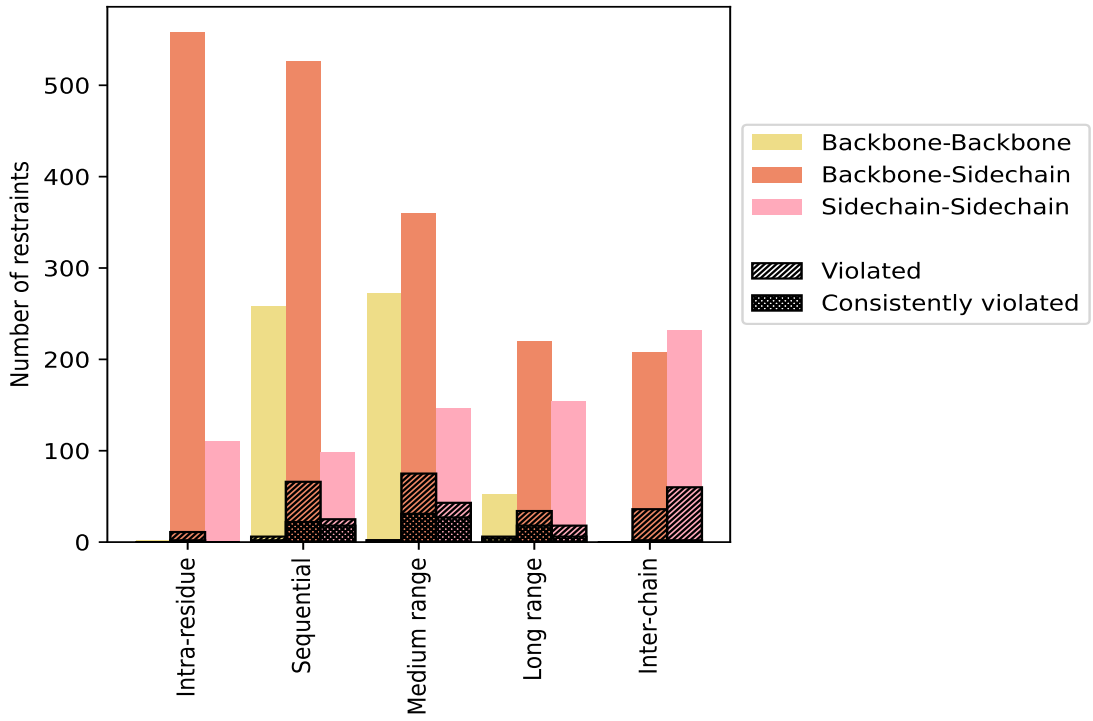
9.1 Summary of distance violations (i)

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)	670	21.0	11	1.6	0.3	2	0.3	0.1
Backbone-Backbone	2	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	558	17.5	11	2.0	0.3	2	0.4	0.1
Sidechain-Sidechain	110	3.4	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	882	27.6	97	11.0	3.0	42	4.8	1.3
Backbone-Backbone	258	8.1	6	2.3	0.2	2	0.8	0.1
Backbone-Sidechain	526	16.5	66	12.5	2.1	22	4.2	0.7
Sidechain-Sidechain	98	3.1	25	25.5	0.8	18	18.4	0.6
Medium range (|i-j|>1 & |i-j|<5)	778	24.3	120	15.4	3.8	60	7.7	1.9
Backbone-Backbone	272	8.5	2	0.7	0.1	2	0.7	0.1
Backbone-Sidechain	360	11.3	75	20.8	2.3	31	8.6	1.0
Sidechain-Sidechain	146	4.6	43	29.5	1.3	27	18.5	0.8
Long range (|i-j|≥5)	426	13.3	58	13.6	1.8	28	6.6	0.9
Backbone-Backbone	52	1.6	6	11.5	0.2	4	7.7	0.1
Backbone-Sidechain	220	6.9	34	15.5	1.1	18	8.2	0.6
Sidechain-Sidechain	154	4.8	18	11.7	0.6	6	3.9	0.2
Inter-chain	440	13.8	96	21.8	3.0	4	0.9	0.1
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	208	6.5	36	17.3	1.1	2	1.0	0.1
Sidechain-Sidechain	232	7.3	60	25.9	1.9	2	0.9	0.1
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	3196	100.0	382	12.0	12.0	136	4.3	4.3
Backbone-Backbone	584	18.3	14	2.4	0.4	8	1.4	0.3
Backbone-Sidechain	1872	58.6	222	11.9	6.9	75	4.0	2.3
Sidechain-Sidechain	740	23.2	146	19.7	4.6	53	7.2	1.7

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	4	66	91	44	44	249	0.87	3.27	0.69	0.64
2	2	67	94	46	52	261	0.83	3.25	0.69	0.54
3	4	60	92	38	52	246	0.85	3.35	0.68	0.62
4	4	69	94	41	46	254	0.86	3.25	0.7	0.6
5	2	67	96	49	56	270	0.8	3.26	0.67	0.52
6	5	64	92	46	38	245	0.84	3.48	0.72	0.58
7	4	67	93	44	42	250	0.82	3.26	0.67	0.55
8	4	67	91	43	54	259	0.87	3.35	0.71	0.66
9	2	64	90	43	54	253	0.85	3.33	0.67	0.62
10	3	65	93	46	50	257	0.86	3.35	0.69	0.59

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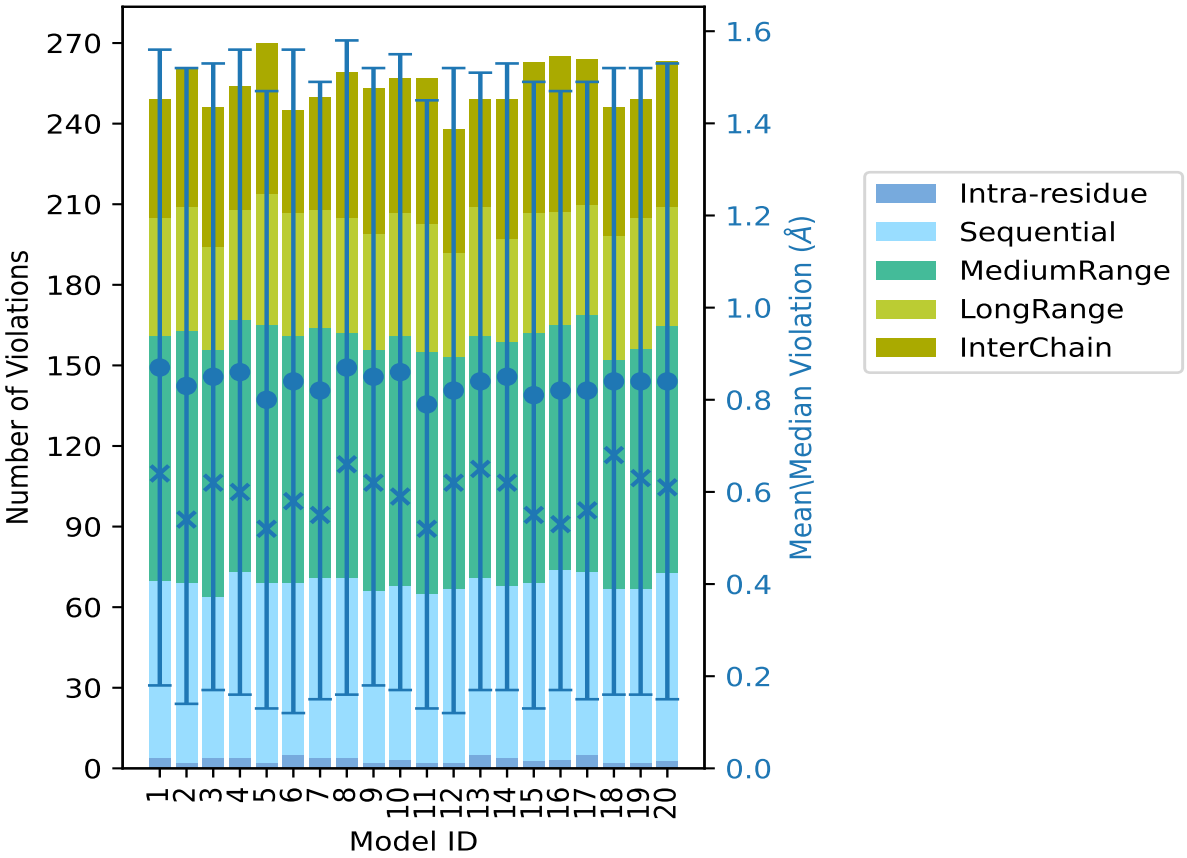
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	2	63	90	48	54	257	0.79	3.35	0.66	0.52
12	2	65	86	39	46	238	0.82	3.47	0.7	0.62
13	5	66	90	48	40	249	0.84	3.33	0.67	0.65
14	4	64	91	38	52	249	0.85	3.35	0.68	0.62
15	3	66	93	45	56	263	0.81	3.35	0.68	0.55
16	3	71	91	42	58	265	0.82	3.23	0.65	0.53
17	5	68	96	41	54	264	0.82	3.29	0.67	0.56
18	2	65	85	46	48	246	0.84	3.32	0.68	0.68
19	2	65	89	49	44	249	0.84	3.29	0.68	0.63
20	3	70	92	44	54	263	0.84	3.28	0.69	0.61

[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

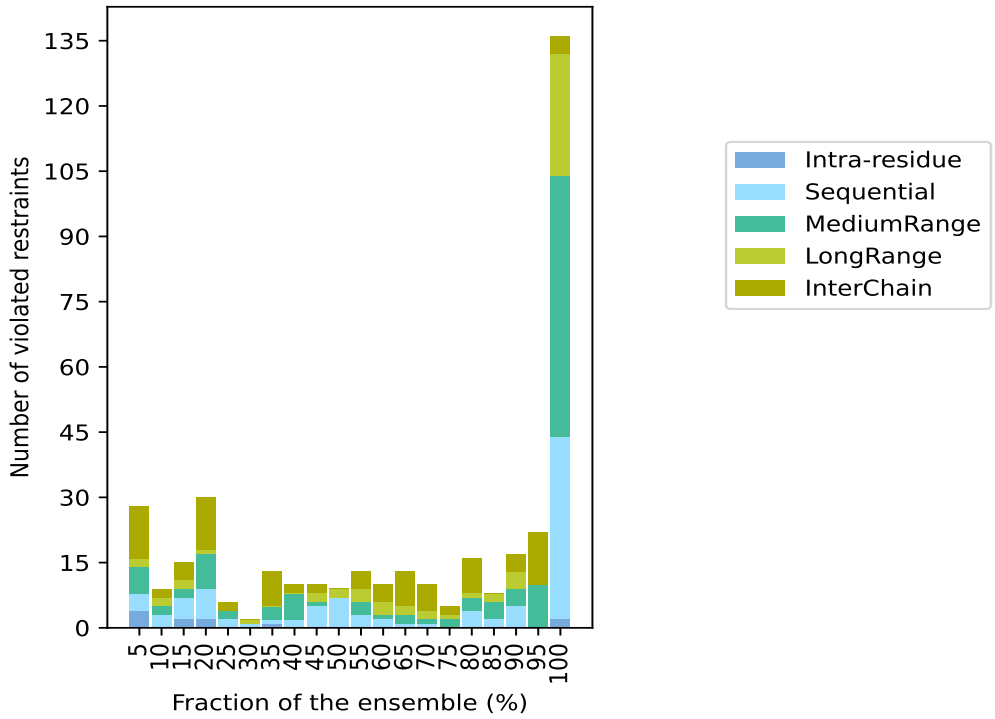
9.3 Distance violation statistics for the ensemble (i)

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, 2814(IR:659, SQ:785, MR:658, LR:368, IC:344) 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]	%
4	4	6	2	12	28	1	5.0
0	3	2	2	2	9	2	10.0
2	5	2	2	4	15	3	15.0
2	7	8	1	12	30	4	20.0
0	2	2	0	2	6	5	25.0
0	1	0	1	0	2	6	30.0
1	1	3	0	8	13	7	35.0
0	2	6	0	2	10	8	40.0
0	5	1	2	2	10	9	45.0
0	7	0	2	0	9	10	50.0
0	3	3	3	4	13	11	55.0
0	2	1	3	4	10	12	60.0
0	1	2	2	8	13	13	65.0
0	1	1	2	6	10	14	70.0
0	0	2	1	2	5	15	75.0
0	4	3	1	8	16	16	80.0
0	2	4	2	0	8	17	85.0
0	5	4	4	4	17	18	90.0
0	0	10	0	12	22	19	95.0
2	42	60	28	4	136	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

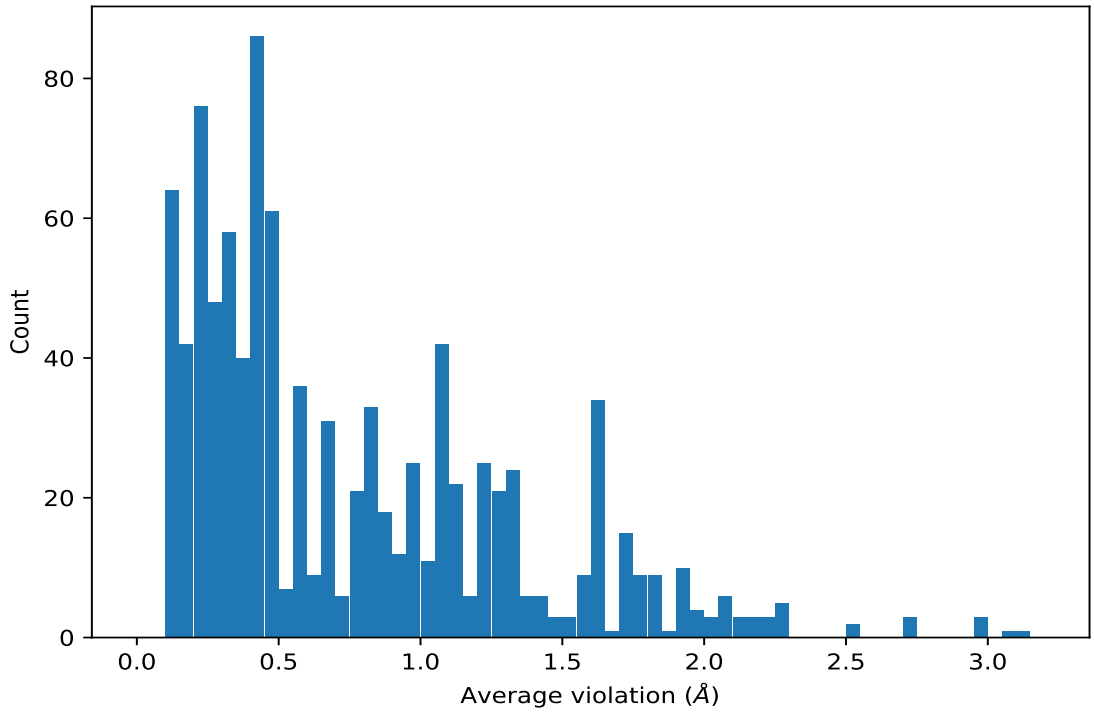
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	20	3.13	0.34	3.28
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	20	3.09	0.32	3.22
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	20	2.96	0.05	2.96
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	20	2.96	0.05	2.96
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	20	2.96	0.05	2.96
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	20	2.71	0.62	2.9
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	20	2.71	0.62	2.9
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	20	2.71	0.62	2.9
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	20	2.54	0.34	2.41
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	20	2.52	0.22	2.46
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	20	2.28	0.31	2.23
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	20	2.28	0.31	2.23
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	20	2.28	0.31	2.23
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	20	2.24	0.4	2.28
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	20	2.24	0.4	2.28
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	20	2.24	0.4	2.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	20	2.19	0.34	2.36
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	20	2.19	0.34	2.36
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	20	2.19	0.34	2.36
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	20	2.1	0.54	2.18
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	20	2.1	0.54	2.18
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	20	2.1	0.54	2.18
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	20	2.09	0.35	2.0
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	20	2.09	0.35	2.0
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	20	2.09	0.35	2.0
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	20	2.08	0.68	2.28
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	20	2.08	0.68	2.28
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	20	2.08	0.68	2.28
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	20	2.03	0.04	2.04
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	20	2.03	0.04	2.04
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	20	2.03	0.04	2.04
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	20	1.99	0.18	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	20	1.99	0.18	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	20	1.99	0.18	2.05
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	20	1.96	0.54	2.04
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	20	1.94	0.03	1.94
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	20	1.94	0.03	1.94
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	20	1.94	0.03	1.94
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	20	1.94	0.5	1.86
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	20	1.94	0.5	1.86
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	20	1.94	0.5	1.86
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	20	1.91	0.25	2.03
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	20	1.88	0.27	1.99
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	20	1.83	0.58	1.92
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	20	1.83	0.58	1.92
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	20	1.83	0.58	1.92
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	20	1.8	0.03	1.8
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	20	1.8	0.03	1.8
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	20	1.8	0.03	1.8
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	20	1.79	0.05	1.8
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	20	1.79	0.05	1.8
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	20	1.79	0.05	1.8
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	20	1.78	0.57	1.85
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	20	1.78	0.57	1.85
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	20	1.78	0.57	1.85
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	20	1.75	0.51	1.92
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	20	1.75	0.51	1.92
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	20	1.75	0.51	1.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	20	1.74	0.58	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	20	1.74	0.58	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	20	1.74	0.58	1.55
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	20	1.72	0.67	2.04
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	20	1.72	0.67	2.04
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	20	1.72	0.67	2.04
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	20	1.68	0.28	1.82
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	20	1.65	0.44	1.52
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	20	1.65	0.44	1.52
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	20	1.65	0.44	1.52
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	20	1.65	0.45	1.68
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	20	1.65	0.45	1.68
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	20	1.65	0.45	1.68
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	20	1.65	0.33	1.62
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	20	1.65	0.33	1.62
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	20	1.65	0.33	1.62
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	20	1.64	0.03	1.64
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	20	1.64	0.03	1.64
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	20	1.64	0.03	1.64
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	20	1.61	0.45	1.61
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	20	1.58	0.05	1.59
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	20	1.58	0.05	1.59
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	20	1.58	0.05	1.59
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	20	1.53	0.49	1.53
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	20	1.53	0.49	1.53
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	20	1.53	0.49	1.53
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	20	1.47	0.58	1.81
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	20	1.47	0.58	1.81
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	20	1.47	0.58	1.81
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	20	1.43	0.25	1.46
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	20	1.43	0.25	1.46
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	20	1.43	0.25	1.46
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	20	1.43	0.79	1.94
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	20	1.43	0.79	1.94
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	20	1.43	0.79	1.94
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	20	1.39	0.24	1.41
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	20	1.39	0.24	1.41
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	20	1.39	0.24	1.41
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	20	1.38	0.11	1.4
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	20	1.38	0.11	1.4
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	20	1.38	0.11	1.4
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	20	1.34	0.13	1.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	20	1.34	0.13	1.37
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	20	1.34	0.13	1.37
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	20	1.3	0.09	1.3
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	20	1.3	0.09	1.3
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	20	1.3	0.09	1.3
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	20	1.3	0.4	1.46
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	20	1.3	0.4	1.46
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	20	1.3	0.4	1.46
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	20	1.3	0.22	1.37
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	20	1.3	0.22	1.37
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	20	1.3	0.22	1.37
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	20	1.27	0.31	1.35
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	20	1.27	0.31	1.35
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	20	1.27	0.31	1.35
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	20	1.27	0.04	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	20	1.27	0.09	1.25
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	20	1.27	0.09	1.25
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	20	1.27	0.09	1.25
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	20	1.27	0.65	1.04
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	20	1.27	0.65	1.04
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	20	1.27	0.65	1.04
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	20	1.26	0.04	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	20	1.26	0.02	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	20	1.26	0.02	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	20	1.26	0.02	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	20	1.25	0.03	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	20	1.25	0.03	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	20	1.25	0.03	1.25
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	20	1.24	0.24	1.16
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	20	1.24	0.24	1.16
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	20	1.24	0.24	1.16
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	20	1.16	0.16	1.15
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	20	1.15	0.49	1.0
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	20	1.15	0.49	1.0
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	20	1.15	0.49	1.0
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	20	1.14	0.32	1.29
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	20	1.14	0.32	1.29
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	20	1.14	0.32	1.29
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	20	1.13	0.13	1.12
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	20	1.1	0.33	1.17
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	20	1.1	0.33	1.17
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	20	1.1	0.33	1.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	20	1.1	0.03	1.1
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	20	1.1	0.03	1.1
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	20	1.1	0.03	1.1
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	20	1.09	0.14	1.08
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	20	1.06	0.23	1.11
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	20	1.06	0.47	1.1
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	20	1.06	0.47	1.1
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	20	1.06	0.47	1.1
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	20	1.06	0.47	1.1
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	20	1.05	0.16	1.08
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	20	1.05	0.16	1.08
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	20	1.05	0.16	1.08
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	20	1.03	0.14	1.08
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	20	1.03	0.14	1.08
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	20	1.03	0.14	1.08
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	20	1.03	0.26	1.08
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	20	1.02	0.01	1.02
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	20	1.01	0.04	1.01
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	20	1.01	0.04	1.01
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	20	1.01	0.04	1.01
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	20	1.0	0.04	1.0
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	20	1.0	0.04	1.0
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	20	1.0	0.04	1.0
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	20	0.99	0.1	1.02
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	20	0.88	0.06	0.88
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	20	0.88	0.06	0.88
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	20	0.88	0.06	0.88
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	20	0.88	0.04	0.88
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	20	0.88	0.04	0.88
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	20	0.88	0.04	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	20	0.86	0.03	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	20	0.86	0.03	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	20	0.86	0.03	0.87
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	20	0.86	0.03	0.86
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	20	0.86	0.03	0.86
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	20	0.86	0.03	0.86
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	20	0.85	0.07	0.85
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	20	0.85	0.07	0.85
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	20	0.85	0.07	0.85
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	20	0.85	0.04	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	20	0.85	0.04	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	20	0.85	0.04	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	20	0.8	0.05	0.79
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	20	0.8	0.05	0.81
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	20	0.79	0.09	0.8
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	20	0.79	0.09	0.8
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	20	0.79	0.09	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	20	0.78	0.06	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	20	0.78	0.06	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	20	0.78	0.06	0.79
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	20	0.68	0.04	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	20	0.68	0.04	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	20	0.68	0.04	0.69
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	20	0.67	0.02	0.66
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	20	0.67	0.02	0.66
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	20	0.67	0.02	0.66
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	20	0.65	0.09	0.66
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	20	0.65	0.09	0.66
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	20	0.65	0.09	0.66
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	20	0.61	0.39	0.4
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	20	0.61	0.39	0.4
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	20	0.61	0.39	0.4
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	20	0.58	0.06	0.6
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	20	0.58	0.06	0.6
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	20	0.58	0.06	0.6
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	20	0.58	0.06	0.6
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	20	0.58	0.06	0.6
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	20	0.58	0.06	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	20	0.58	0.06	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	20	0.58	0.06	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	20	0.58	0.06	0.6
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	20	0.58	0.32	0.45
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	20	0.58	0.32	0.45
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	20	0.58	0.32	0.45
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	20	0.58	0.39	0.34
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	20	0.58	0.39	0.34
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	20	0.58	0.39	0.34
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	20	0.55	0.11	0.56
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	20	0.55	0.07	0.56
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	20	0.55	0.07	0.56
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	20	0.55	0.07	0.56
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	20	0.55	0.07	0.56
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	20	0.55	0.07	0.56
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	20	0.55	0.07	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	20	0.55	0.07	0.56
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	20	0.55	0.07	0.56
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	20	0.55	0.07	0.56
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	20	0.48	0.12	0.5
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	20	0.48	0.32	0.36
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	20	0.48	0.32	0.36
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	20	0.48	0.32	0.36
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	20	0.48	0.06	0.5
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	20	0.48	0.02	0.48
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	20	0.48	0.06	0.51
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	20	0.47	0.04	0.48
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	20	0.47	0.04	0.48
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	20	0.47	0.04	0.48
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	20	0.47	0.32	0.34
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	20	0.47	0.32	0.34
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	20	0.47	0.32	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	20	0.47	0.32	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	20	0.47	0.32	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	20	0.47	0.32	0.34
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	20	0.47	0.11	0.46
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	20	0.47	0.11	0.46
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	20	0.47	0.04	0.48
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	20	0.47	0.04	0.48
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	20	0.47	0.04	0.48
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	20	0.47	0.02	0.46
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	20	0.47	0.02	0.46
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	20	0.47	0.02	0.46
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	20	0.46	0.12	0.46
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	20	0.46	0.12	0.46
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	20	0.46	0.01	0.46
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	20	0.46	0.04	0.46
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	20	0.46	0.04	0.46
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	20	0.46	0.04	0.46
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	20	0.46	0.02	0.46
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	20	0.46	0.02	0.46
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	20	0.46	0.02	0.46
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	20	0.45	0.1	0.5
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	20	0.45	0.01	0.44
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	20	0.45	0.01	0.44
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	20	0.45	0.01	0.44
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	20	0.43	0.09	0.44
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	20	0.43	0.05	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	20	0.43	0.05	0.45
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	20	0.43	0.05	0.45
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	20	0.42	0.04	0.43
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	20	0.42	0.04	0.43
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	20	0.42	0.04	0.43
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	20	0.42	0.05	0.45
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	20	0.42	0.05	0.45
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	20	0.42	0.05	0.45
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	20	0.42	0.01	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	20	0.41	0.03	0.42
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	20	0.41	0.09	0.4
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	20	0.41	0.09	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	20	0.38	0.07	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	20	0.38	0.07	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	20	0.38	0.07	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	20	0.38	0.07	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	20	0.38	0.07	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	20	0.38	0.07	0.4
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	20	0.38	0.09	0.37
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	20	0.38	0.09	0.37
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	20	0.36	0.16	0.37
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	20	0.36	0.16	0.37
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	20	0.36	0.16	0.37
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	20	0.36	0.16	0.37
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	20	0.36	0.16	0.37
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	20	0.36	0.16	0.37
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	20	0.35	0.11	0.36
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	20	0.33	0.01	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	20	0.33	0.01	0.34
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	20	0.33	0.08	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	20	0.33	0.08	0.38
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	20	0.32	0.01	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	20	0.32	0.01	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	20	0.32	0.01	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	20	0.31	0.01	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	20	0.31	0.01	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	20	0.31	0.01	0.31
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	20	0.3	0.04	0.3
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	20	0.3	0.04	0.3
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	20	0.3	0.04	0.3
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	20	0.29	0.1	0.3
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	20	0.29	0.1	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	20	0.29	0.1	0.3
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	20	0.26	0.04	0.26
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	20	0.26	0.04	0.26
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	20	0.26	0.04	0.26
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	20	0.26	0.08	0.24
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	20	0.25	0.08	0.24
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	20	0.25	0.08	0.24
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	20	0.25	0.08	0.24
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	20	0.24	0.04	0.24
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	20	0.24	0.04	0.24
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	20	0.24	0.04	0.24
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	20	0.24	0.04	0.24
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	20	0.24	0.04	0.24
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	20	0.24	0.04	0.24
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	20	0.24	0.05	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	20	0.24	0.05	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	20	0.24	0.05	0.23
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	20	0.23	0.08	0.25
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	20	0.23	0.08	0.25
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	20	0.23	0.06	0.22
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	20	0.23	0.06	0.22
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	20	0.23	0.06	0.22
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	20	0.22	0.04	0.22
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	20	0.21	0.02	0.22
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	20	0.21	0.02	0.22
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	20	0.21	0.02	0.22
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	20	0.21	0.02	0.2
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	20	0.21	0.02	0.2
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	20	0.21	0.02	0.2
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	20	0.21	0.03	0.22
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	20	0.19	0.03	0.18
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	20	0.17	0.03	0.16
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	19	1.72	0.95	1.2
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	19	1.72	0.95	1.2
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	19	1.72	0.95	1.2
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	19	1.72	0.95	1.2
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	19	1.72	0.95	1.2
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	19	1.72	0.95	1.2
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	19	1.72	0.95	1.2
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	19	1.72	0.95	1.2
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	19	1.72	0.95	1.2
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	19	1.32	0.92	0.89

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	19	1.32	0.92	0.89
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	19	1.32	0.92	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	19	1.32	0.92	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	19	1.32	0.92	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	19	1.32	0.92	0.89
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	19	1.32	0.92	0.89
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	19	1.32	0.92	0.89
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	19	1.32	0.92	0.89
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	19	1.26	0.41	1.19
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	19	1.26	0.41	1.19
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	19	1.26	0.41	1.19
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	19	1.26	0.41	1.19
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	19	1.09	0.08	1.1
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	19	1.09	0.08	1.1
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	19	1.09	0.08	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	19	1.09	0.08	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	19	1.09	0.08	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	19	1.09	0.08	1.1
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	19	1.06	0.09	1.04
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	19	1.06	0.09	1.04
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	19	1.06	0.09	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	19	1.06	0.09	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	19	1.06	0.09	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	19	1.06	0.09	1.04
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	19	0.85	0.16	0.85
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	19	0.85	0.16	0.85
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	19	0.85	0.16	0.85
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	19	0.85	0.16	0.85
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	19	0.85	0.16	0.85
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	19	0.85	0.16	0.85
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	19	0.79	0.1	0.78
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	19	0.79	0.1	0.78
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	19	0.79	0.1	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	19	0.79	0.1	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	19	0.79	0.1	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	19	0.79	0.1	0.78
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	19	0.76	0.1	0.75
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	19	0.76	0.1	0.75
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	19	0.76	0.1	0.75
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	19	0.76	0.1	0.75
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	19	0.76	0.1	0.75
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	19	0.76	0.1	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	19	0.59	0.66	0.26
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	19	0.59	0.66	0.26
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	19	0.59	0.66	0.26
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	19	0.31	0.22	0.25
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	19	0.31	0.22	0.25
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	19	0.31	0.22	0.25
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	19	0.28	0.08	0.26
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	19	0.28	0.08	0.26
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	19	0.25	0.06	0.24
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	19	0.24	0.05	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	19	0.24	0.05	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	19	0.24	0.05	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	19	0.24	0.05	0.25
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	19	0.23	0.08	0.23
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	19	0.23	0.08	0.23
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	19	0.23	0.08	0.23
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	19	0.22	0.05	0.24
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	19	0.22	0.05	0.24
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	19	0.22	0.05	0.24
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	18	2.29	0.3	2.38
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	18	2.29	0.29	2.4
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	18	1.61	0.04	1.62
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	18	1.61	0.04	1.62
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	18	1.61	0.04	1.62
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	18	1.55	0.05	1.55
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	18	1.55	0.05	1.55
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	18	1.55	0.05	1.55
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	18	1.07	0.03	1.07
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	18	1.07	0.03	1.07
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	18	1.07	0.03	1.07
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	18	0.82	0.1	0.84
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	18	0.82	0.1	0.84
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	18	0.82	0.1	0.84
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	18	0.82	0.1	0.84
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	18	0.82	0.1	0.84
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	18	0.82	0.1	0.84
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	18	0.72	0.31	0.69
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	18	0.72	0.31	0.69
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	18	0.72	0.31	0.69
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	18	0.64	0.03	0.64
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	18	0.64	0.03	0.64
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	18	0.64	0.03	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	18	0.41	0.04	0.42
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	18	0.41	0.04	0.42
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	18	0.41	0.04	0.42
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	18	0.4	0.14	0.35
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	18	0.4	0.14	0.35
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	18	0.4	0.14	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	18	0.4	0.14	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	18	0.4	0.14	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	18	0.4	0.14	0.35
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	18	0.4	0.18	0.38
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	18	0.4	0.18	0.38
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	18	0.4	0.18	0.38
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	18	0.34	0.11	0.33
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	18	0.34	0.11	0.33
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	18	0.34	0.11	0.33
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	18	0.23	0.07	0.22
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	18	0.23	0.07	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	18	0.19	0.04	0.21
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	18	0.19	0.04	0.21
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	18	0.19	0.05	0.18
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	17	1.33	0.38	1.51
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	17	1.33	0.38	1.51
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	17	1.33	0.38	1.51
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	17	0.75	0.32	0.89
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	17	0.75	0.32	0.89
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	17	0.75	0.32	0.89
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	17	0.69	0.26	0.81
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	17	0.69	0.26	0.81
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	17	0.69	0.26	0.81
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	17	0.55	0.14	0.57
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	17	0.55	0.17	0.55
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	17	0.2	0.02	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	17	0.2	0.02	0.21
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	17	0.18	0.05	0.16
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	17	0.18	0.05	0.19
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	16	1.91	0.11	1.94
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	16	1.91	0.11	1.94
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	16	1.91	0.11	1.94
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	16	1.21	0.2	1.23
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	16	1.21	0.2	1.23
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	16	1.21	0.2	1.23
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	16	1.21	0.2	1.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	16	1.21	0.2	1.23
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	16	1.21	0.2	1.23
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	16	1.17	0.09	1.19
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	16	1.06	0.04	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	16	1.06	0.04	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	16	1.06	0.04	1.08
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	16	0.97	0.19	1.03
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	16	0.97	0.19	1.03
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	16	0.97	0.19	1.03
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	16	0.97	0.19	1.03
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	16	0.97	0.19	1.03
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	16	0.97	0.19	1.03
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	16	0.67	0.38	0.49
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	16	0.43	0.11	0.42
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	16	0.43	0.11	0.42
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	16	0.43	0.11	0.42
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	16	0.43	0.11	0.42
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	16	0.43	0.11	0.42
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	16	0.43	0.11	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	16	0.4	0.21	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	16	0.4	0.21	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	16	0.4	0.21	0.42
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	16	0.38	0.09	0.41
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	16	0.38	0.09	0.41
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	16	0.38	0.09	0.41
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	16	0.2	0.07	0.2
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	16	0.19	0.06	0.18
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	16	0.19	0.06	0.18
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	16	0.11	0.0	0.11
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	15	0.37	0.19	0.37
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	15	0.37	0.19	0.37
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	15	0.37	0.19	0.37
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	15	0.37	0.19	0.37
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	15	0.37	0.19	0.37
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	15	0.37	0.19	0.37
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	15	0.35	0.06	0.38
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	15	0.35	0.06	0.38
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	15	0.35	0.06	0.38
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	15	0.35	0.06	0.38
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	15	0.35	0.06	0.38
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	15	0.35	0.06	0.38
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	15	0.35	0.06	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	15	0.35	0.06	0.38
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	15	0.35	0.06	0.38
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	15	0.35	0.06	0.38
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	15	0.28	0.06	0.3
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	15	0.2	0.05	0.21
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	14	0.74	0.14	0.78
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	14	0.74	0.14	0.78
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	14	0.74	0.14	0.78
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	14	0.5	0.05	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	14	0.5	0.05	0.51
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	14	0.45	0.18	0.5
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	14	0.45	0.18	0.5
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	14	0.45	0.18	0.5
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	14	0.45	0.18	0.5
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	14	0.45	0.18	0.5
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	14	0.45	0.18	0.5
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	14	0.45	0.18	0.5
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	14	0.45	0.18	0.5
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	14	0.45	0.18	0.5
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	14	0.28	0.11	0.29
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	14	0.28	0.11	0.29
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	14	0.25	0.07	0.26
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	14	0.19	0.06	0.18
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	14	0.13	0.01	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	14	0.13	0.01	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	14	0.13	0.01	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	14	0.13	0.01	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	14	0.13	0.01	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	14	0.13	0.01	0.13
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	13	1.84	0.1	1.85
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	13	1.84	0.1	1.85
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	13	1.84	0.1	1.85
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	13	1.08	0.18	1.06
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	13	1.08	0.18	1.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	13	1.08	0.18	1.06
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	13	1.08	0.18	1.06
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	13	1.08	0.18	1.06
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	13	1.08	0.18	1.06
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	13	1.06	0.04	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	13	1.06	0.04	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	13	1.06	0.04	1.05
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	13	0.91	0.21	0.99
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	13	0.91	0.21	0.99
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	13	0.91	0.21	0.99
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	13	0.91	0.21	0.99
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	13	0.91	0.21	0.99
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	13	0.91	0.21	0.99
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	13	0.46	0.23	0.54
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	13	0.46	0.23	0.54
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	13	0.46	0.23	0.54
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	13	0.46	0.1	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	13	0.46	0.1	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	13	0.46	0.1	0.49
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	13	0.36	0.13	0.32
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	13	0.36	0.13	0.32
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	13	0.36	0.13	0.32
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	13	0.36	0.13	0.32
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	13	0.36	0.13	0.32
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	13	0.36	0.13	0.32
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	13	0.23	0.15	0.15
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	13	0.23	0.15	0.15
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	13	0.23	0.15	0.15
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	13	0.23	0.15	0.15
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	13	0.23	0.15	0.15
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	13	0.23	0.15	0.15
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	13	0.11	0.0	0.11
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	12	1.2	0.31	1.31
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	12	1.2	0.31	1.31
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	12	1.2	0.31	1.31
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	12	1.2	0.31	1.31
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	12	0.59	0.17	0.62
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	12	0.59	0.17	0.62
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	12	0.59	0.17	0.62
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	12	0.42	0.11	0.46
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	12	0.42	0.11	0.46
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	12	0.42	0.11	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	12	0.41	0.18	0.45
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	12	0.41	0.18	0.45
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	12	0.41	0.18	0.45
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	12	0.41	0.18	0.45
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	12	0.41	0.18	0.45
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	12	0.41	0.18	0.45
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	12	0.41	0.18	0.45
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	12	0.41	0.18	0.45
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	12	0.41	0.18	0.45
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	12	0.31	0.11	0.3
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	12	0.31	0.11	0.3
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	12	0.31	0.11	0.3
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	12	0.31	0.11	0.3
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	12	0.31	0.11	0.3
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	12	0.31	0.11	0.3
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	12	0.31	0.09	0.3
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	12	0.31	0.09	0.3
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	12	0.31	0.09	0.3
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	12	0.31	0.09	0.3
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	12	0.31	0.09	0.3
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	12	0.31	0.09	0.3
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	12	0.3	0.08	0.27
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	12	0.3	0.08	0.27
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	12	0.3	0.08	0.27
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	12	0.3	0.08	0.27
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	12	0.3	0.08	0.27
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	12	0.3	0.08	0.27
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	12	0.19	0.06	0.17
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	11	0.87	0.21	0.98
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	11	0.87	0.21	0.98
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	11	0.87	0.21	0.98
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	11	0.47	0.06	0.49
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	11	0.47	0.06	0.49
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	11	0.47	0.06	0.49
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	11	0.44	0.12	0.45
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	11	0.38	0.14	0.46
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	11	0.38	0.14	0.46
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	11	0.38	0.14	0.46
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	11	0.37	0.15	0.39
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	11	0.37	0.15	0.39
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	11	0.37	0.15	0.39
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	11	0.34	0.14	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	11	0.34	0.14	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	11	0.34	0.14	0.31
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	11	0.24	0.09	0.27
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	11	0.18	0.05	0.18
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	11	0.18	0.05	0.18
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	11	0.18	0.05	0.18
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	11	0.18	0.05	0.18
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	11	0.18	0.05	0.18
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	11	0.18	0.05	0.18
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	11	0.15	0.01	0.15
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	11	0.13	0.01	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	11	0.13	0.01	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	11	0.13	0.01	0.13
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	11	0.13	0.01	0.13
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	11	0.13	0.01	0.13
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	11	0.13	0.01	0.13
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	11	0.13	0.02	0.13
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	10	1.61	0.32	1.73
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	10	1.61	0.32	1.73
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	10	1.61	0.32	1.73
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	10	1.61	0.32	1.73
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	10	1.61	0.32	1.73
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	10	1.61	0.32	1.73
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	10	1.61	0.32	1.73
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	10	1.61	0.32	1.73
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	10	1.61	0.32	1.73
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	10	0.56	0.16	0.6
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	10	0.56	0.16	0.6
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	10	0.56	0.16	0.6
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	10	0.4	0.11	0.44
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	10	0.4	0.11	0.44
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	10	0.4	0.11	0.44
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	10	0.37	0.14	0.38
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	10	0.37	0.14	0.38
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	10	0.37	0.14	0.38
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	10	0.26	0.08	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	10	0.26	0.08	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	10	0.26	0.08	0.27
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	10	0.25	0.08	0.28
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	10	0.25	0.08	0.28
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	10	0.25	0.08	0.28
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	10	0.24	0.08	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	10	0.24	0.08	0.22
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	10	0.24	0.08	0.22
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	10	0.17	0.05	0.15
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	10	0.17	0.05	0.15
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	10	0.14	0.02	0.14
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	9	1.21	0.36	1.37
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	9	1.21	0.36	1.37
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	9	1.21	0.36	1.37
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	9	1.21	0.36	1.37
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	9	0.87	0.27	0.97
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	9	0.87	0.27	0.97
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	9	0.87	0.27	0.97
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	9	0.62	0.09	0.63
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	9	0.62	0.09	0.63
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	9	0.62	0.09	0.63
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	9	0.43	0.09	0.44
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	9	0.43	0.09	0.44
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	9	0.43	0.09	0.44
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	9	0.33	0.13	0.33
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	9	0.33	0.13	0.33
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	9	0.33	0.13	0.33
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	9	0.3	0.11	0.34
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	9	0.3	0.11	0.34
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	9	0.3	0.11	0.34
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	9	0.26	0.11	0.24
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	9	0.15	0.0	0.15
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	9	0.15	0.03	0.14
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	9	0.15	0.03	0.14
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	9	0.15	0.03	0.14
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	9	0.15	0.03	0.14
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	9	0.15	0.03	0.14
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	9	0.15	0.03	0.14
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	9	0.15	0.03	0.14
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	9	0.15	0.03	0.14
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	9	0.15	0.03	0.14
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	9	0.15	0.03	0.14
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	9	0.15	0.03	0.14
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	9	0.15	0.03	0.14
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	9	0.15	0.03	0.14
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	9	0.15	0.03	0.14
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	9	0.15	0.03	0.14
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	9	0.15	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	9	0.15	0.03	0.14
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	9	0.15	0.03	0.14
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	8	1.64	0.22	1.73
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	8	1.64	0.22	1.73
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	8	1.64	0.22	1.73
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	8	1.64	0.22	1.73
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	8	1.64	0.22	1.73
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	8	1.64	0.22	1.73
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	8	1.64	0.22	1.73
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	8	1.64	0.22	1.73
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	8	1.64	0.22	1.73
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	8	0.36	0.12	0.38
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	8	0.34	0.12	0.37
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	8	0.34	0.1	0.34
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	8	0.28	0.16	0.22
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	8	0.27	0.12	0.29
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	8	0.25	0.11	0.28
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	8	0.25	0.11	0.28
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	8	0.25	0.11	0.28
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	8	0.25	0.11	0.28
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	8	0.25	0.11	0.28
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	8	0.25	0.11	0.28
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	8	0.22	0.06	0.21
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	8	0.13	0.01	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	8	0.13	0.01	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	8	0.13	0.01	0.14
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG11	7	1.22	0.11	1.18
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG12	7	1.22	0.11	1.18
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG13	7	1.22	0.11	1.18
(1,3177)	1:76:A:VAL:HG11	1:72:B:GLN:HG3	7	1.22	0.11	1.18
(1,3177)	1:76:A:VAL:HG12	1:72:B:GLN:HG3	7	1.22	0.11	1.18
(1,3177)	1:76:A:VAL:HG13	1:72:B:GLN:HG3	7	1.22	0.11	1.18
(1,2723)	1:76:A:VAL:HG11	1:80:A:ALA:HA	7	1.1	0.05	1.09
(1,2723)	1:76:A:VAL:HG12	1:80:A:ALA:HA	7	1.1	0.05	1.09
(1,2723)	1:76:A:VAL:HG13	1:80:A:ALA:HA	7	1.1	0.05	1.09
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG21	7	1.08	0.02	1.07
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG22	7	1.08	0.02	1.07
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG23	7	1.08	0.02	1.07
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG21	7	0.97	0.08	0.95
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG22	7	0.97	0.08	0.95
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG23	7	0.97	0.08	0.95
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG11	7	0.96	0.25	0.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG12	7	0.96	0.25	0.96
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG13	7	0.96	0.25	0.96
(1,3181)	1:76:A:VAL:HG11	1:72:B:GLN:HE21	7	0.96	0.25	0.96
(1,3181)	1:76:A:VAL:HG12	1:72:B:GLN:HE21	7	0.96	0.25	0.96
(1,3181)	1:76:A:VAL:HG13	1:72:B:GLN:HE21	7	0.96	0.25	0.96
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG11	7	0.82	0.17	0.82
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG12	7	0.82	0.17	0.82
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG13	7	0.82	0.17	0.82
(1,3185)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	7	0.82	0.17	0.82
(1,3185)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	7	0.82	0.17	0.82
(1,3185)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	7	0.82	0.17	0.82
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB1	7	0.69	0.04	0.7
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB2	7	0.69	0.04	0.7
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB3	7	0.69	0.04	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB1	7	0.69	0.04	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB2	7	0.69	0.04	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB3	7	0.69	0.04	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB1	7	0.69	0.04	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB2	7	0.69	0.04	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB3	7	0.69	0.04	0.7
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD21	7	0.42	0.24	0.32
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD22	7	0.42	0.24	0.32
(1,3194)	1:87:B:ASN:HD21	1:71:A:PHE:H	7	0.42	0.24	0.32
(1,3194)	1:87:B:ASN:HD22	1:71:A:PHE:H	7	0.42	0.24	0.32
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG11	7	0.24	0.0	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG12	7	0.24	0.0	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG13	7	0.24	0.0	0.24
(1,671)	1:47:A:ALA:H	1:48:A:GLN:HG2	6	0.25	0.13	0.2
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG21	6	0.22	0.06	0.22
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG22	6	0.22	0.06	0.22
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG23	6	0.22	0.06	0.22
(1,2946)	1:78:B:VAL:HG21	1:8:A:MET:HG2	5	0.47	0.03	0.46
(1,2946)	1:78:B:VAL:HG22	1:8:A:MET:HG2	5	0.47	0.03	0.46
(1,2946)	1:78:B:VAL:HG23	1:8:A:MET:HG2	5	0.47	0.03	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG21	5	0.47	0.03	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG22	5	0.47	0.03	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG23	5	0.47	0.03	0.46
(1,608)	1:47:B:ALA:H	1:48:B:GLN:HG3	5	0.39	0.1	0.43
(1,650)	1:45:B:LEU:HB2	1:47:B:ALA:H	5	0.2	0.06	0.21
(1,385)	1:7:A:ALA:H	1:8:A:MET:HG3	5	0.18	0.02	0.18
(1,1058)	1:69:B:VAL:HG11	1:73:B:GLU:H	5	0.17	0.05	0.16
(1,1058)	1:69:B:VAL:HG12	1:73:B:GLU:H	5	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1058)	1:69:B:VAL:HG13	1:73:B:GLU:H	5	0.17	0.05	0.16
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG21	4	1.57	0.03	1.56
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG22	4	1.57	0.03	1.56
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG23	4	1.57	0.03	1.56
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG11	4	1.21	0.03	1.21
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG12	4	1.21	0.03	1.21
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG13	4	1.21	0.03	1.21
(1,3179)	1:76:B:VAL:HG11	1:72:A:GLN:HG3	4	1.21	0.03	1.21
(1,3179)	1:76:B:VAL:HG12	1:72:A:GLN:HG3	4	1.21	0.03	1.21
(1,3179)	1:76:B:VAL:HG13	1:72:A:GLN:HG3	4	1.21	0.03	1.21
(1,2725)	1:76:B:VAL:HG11	1:80:B:ALA:HA	4	1.1	0.06	1.12
(1,2725)	1:76:B:VAL:HG12	1:80:B:ALA:HA	4	1.1	0.06	1.12
(1,2725)	1:76:B:VAL:HG13	1:80:B:ALA:HA	4	1.1	0.06	1.12
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG21	4	1.1	0.03	1.09
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG22	4	1.1	0.03	1.09
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG23	4	1.1	0.03	1.09
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG11	4	0.99	0.2	0.98
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG12	4	0.99	0.2	0.98
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG13	4	0.99	0.2	0.98
(1,3183)	1:76:B:VAL:HG11	1:72:A:GLN:HE21	4	0.99	0.2	0.98
(1,3183)	1:76:B:VAL:HG12	1:72:A:GLN:HE21	4	0.99	0.2	0.98
(1,3183)	1:76:B:VAL:HG13	1:72:A:GLN:HE21	4	0.99	0.2	0.98
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG21	4	0.96	0.05	0.95
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG22	4	0.96	0.05	0.95
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG23	4	0.96	0.05	0.95
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	4	0.9	0.12	0.93
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	4	0.9	0.12	0.93
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	4	0.9	0.12	0.93
(1,3187)	1:76:B:VAL:HG11	1:72:A:GLN:HE22	4	0.9	0.12	0.93
(1,3187)	1:76:B:VAL:HG12	1:72:A:GLN:HE22	4	0.9	0.12	0.93
(1,3187)	1:76:B:VAL:HG13	1:72:A:GLN:HE22	4	0.9	0.12	0.93
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG21	4	0.85	0.04	0.84
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG22	4	0.85	0.04	0.84
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG23	4	0.85	0.04	0.84
(1,532)	1:45:B:LEU:HB3	1:48:B:GLN:HE21	4	0.81	0.02	0.82
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG21	4	0.81	0.04	0.79
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG22	4	0.81	0.04	0.79
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG23	4	0.81	0.04	0.79
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB1	4	0.66	0.04	0.67
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB2	4	0.66	0.04	0.67
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB3	4	0.66	0.04	0.67
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB1	4	0.66	0.04	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB2	4	0.66	0.04	0.67
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB3	4	0.66	0.04	0.67
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB1	4	0.66	0.04	0.67
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB2	4	0.66	0.04	0.67
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB3	4	0.66	0.04	0.67
(1,2961)	1:76:A:VAL:HA	1:75:B:VAL:HB	4	0.51	0.0	0.51
(1,2964)	1:75:B:VAL:HB	1:76:A:VAL:HA	4	0.51	0.0	0.51
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD21	4	0.44	0.33	0.36
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD22	4	0.44	0.33	0.36
(1,3193)	1:87:A:ASN:HD21	1:71:B:PHE:H	4	0.44	0.33	0.36
(1,3193)	1:87:A:ASN:HD22	1:71:B:PHE:H	4	0.44	0.33	0.36
(1,2945)	1:78:A:VAL:HG21	1:8:B:MET:HG2	4	0.41	0.03	0.41
(1,2945)	1:78:A:VAL:HG22	1:8:B:MET:HG2	4	0.41	0.03	0.41
(1,2945)	1:78:A:VAL:HG23	1:8:B:MET:HG2	4	0.41	0.03	0.41
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG21	4	0.41	0.03	0.41
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG22	4	0.41	0.03	0.41
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG23	4	0.41	0.03	0.41
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD11	4	0.35	0.07	0.34
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD12	4	0.35	0.07	0.34
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD13	4	0.35	0.07	0.34
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG11	4	0.24	0.0	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG12	4	0.24	0.0	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG13	4	0.24	0.0	0.24
(1,386)	1:7:B:ALA:H	1:8:B:MET:HG3	4	0.23	0.05	0.22
(1,1057)	1:69:A:VAL:HG11	1:73:A:GLU:H	4	0.21	0.05	0.2
(1,1057)	1:69:A:VAL:HG12	1:73:A:GLU:H	4	0.21	0.05	0.2
(1,1057)	1:69:A:VAL:HG13	1:73:A:GLU:H	4	0.21	0.05	0.2
(1,193)	1:5:A:GLU:HG3	1:7:A:ALA:H	4	0.21	0.1	0.18
(1,598)	1:48:B:GLN:HG2	1:49:B:LYS:H	4	0.18	0.06	0.16
(1,1294)	1:75:B:VAL:HB	1:76:B:VAL:H	4	0.16	0.03	0.15
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD2	4	0.15	0.02	0.15
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD3	4	0.15	0.02	0.15
(1,225)	1:41:A:LEU:H	1:42:A:SER:HA	4	0.15	0.02	0.16
(1,833)	1:35:A:GLU:HG2	1:36:A:LEU:H	4	0.11	0.02	0.11
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD21	3	0.53	0.45	0.24
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD22	3	0.53	0.45	0.24
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD23	3	0.53	0.45	0.24
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG21	3	0.41	0.0	0.41
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG22	3	0.41	0.0	0.41
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG23	3	0.41	0.0	0.41
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG21	3	0.41	0.0	0.41
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG22	3	0.41	0.0	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG23	3	0.41	0.0	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG21	3	0.41	0.0	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG22	3	0.41	0.0	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG23	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG21	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG22	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG23	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG21	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG22	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG23	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG21	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG22	3	0.41	0.0	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG23	3	0.41	0.0	0.41
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG21	3	0.29	0.08	0.29
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG22	3	0.29	0.08	0.29
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG23	3	0.29	0.08	0.29
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG11	3	0.23	0.03	0.23
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG12	3	0.23	0.03	0.23
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG13	3	0.23	0.03	0.23
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG11	3	0.23	0.03	0.23
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG12	3	0.23	0.03	0.23
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG13	3	0.23	0.03	0.23
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG11	3	0.23	0.03	0.23
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG12	3	0.23	0.03	0.23
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG13	3	0.23	0.03	0.23
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE1	3	0.22	0.09	0.28
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE2	3	0.22	0.09	0.28
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE3	3	0.22	0.09	0.28
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE1	3	0.18	0.07	0.16
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE2	3	0.18	0.07	0.16
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE3	3	0.18	0.07	0.16
(1,659)	1:3:A:GLU:HG3	1:4:A:LEU:H	3	0.18	0.02	0.17
(1,2826)	1:75:B:VAL:HG11	1:78:A:VAL:H	3	0.16	0.04	0.16
(1,2826)	1:75:B:VAL:HG12	1:78:A:VAL:H	3	0.16	0.04	0.16
(1,2826)	1:75:B:VAL:HG13	1:78:A:VAL:H	3	0.16	0.04	0.16
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG11	3	0.16	0.04	0.16
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG12	3	0.16	0.04	0.16
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG13	3	0.16	0.04	0.16
(1,834)	1:35:B:GLU:HG2	1:36:B:LEU:H	3	0.15	0.04	0.15
(1,98)	1:43:B:GLY:H	1:44:B:PHE:HD1	3	0.15	0.06	0.11
(1,98)	1:43:B:GLY:H	1:44:B:PHE:HD2	3	0.15	0.06	0.11
(1,649)	1:45:A:LEU:HB2	1:47:A:ALA:H	3	0.13	0.04	0.1

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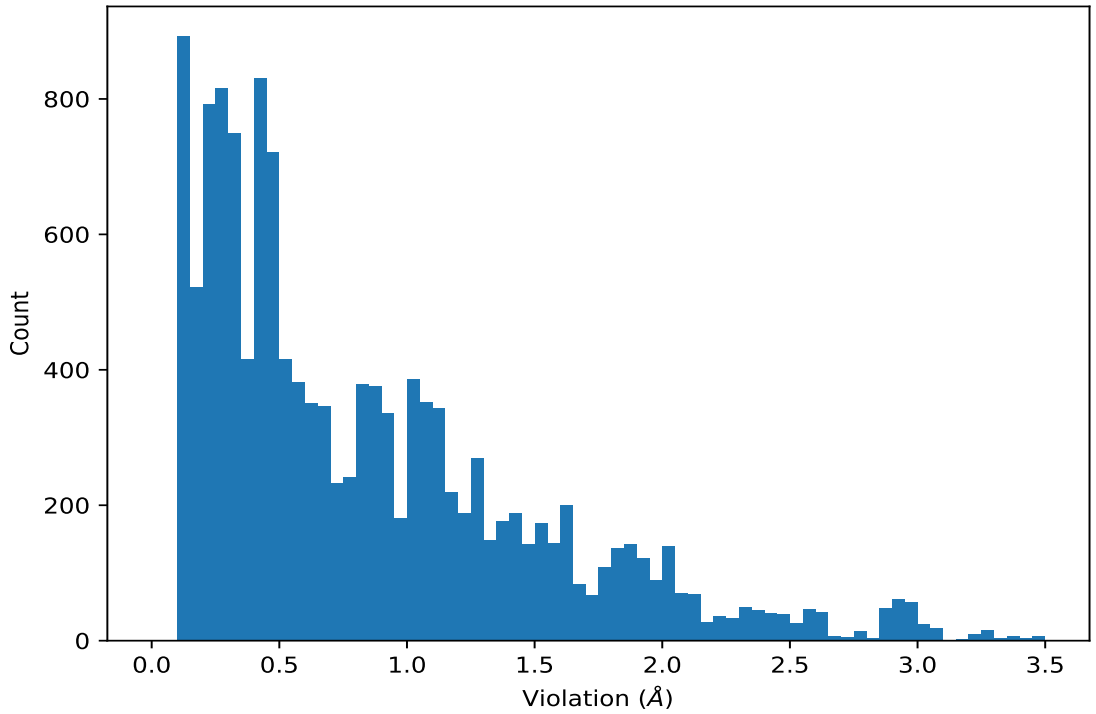
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2020)	1:14:B:VAL:HG21	1:40:B:GLU:HG2	3	0.12	0.02	0.11
(1,2020)	1:14:B:VAL:HG22	1:40:B:GLU:HG2	3	0.12	0.02	0.11
(1,2020)	1:14:B:VAL:HG23	1:40:B:GLU:HG2	3	0.12	0.02	0.11
(1,1451)	1:54:A:VAL:HB	1:55:A:ASP:H	3	0.12	0.01	0.11
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD21	2	1.05	0.0	1.05
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD22	2	1.05	0.0	1.05
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD23	2	1.05	0.0	1.05
(1,672)	1:47:B:ALA:H	1:48:B:GLN:HG2	2	0.18	0.04	0.18
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB1	2	0.18	0.03	0.18
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB2	2	0.18	0.03	0.18
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB3	2	0.18	0.03	0.18
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD11	2	0.16	0.02	0.16
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD12	2	0.16	0.02	0.16
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD13	2	0.16	0.02	0.16
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB1	2	0.15	0.05	0.15
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB2	2	0.15	0.05	0.15
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB3	2	0.15	0.05	0.15
(1,3019)	1:7:A:ALA:HB1	1:10:B:THR:HB	2	0.15	0.05	0.15
(1,3019)	1:7:A:ALA:HB2	1:10:B:THR:HB	2	0.15	0.05	0.15
(1,3019)	1:7:A:ALA:HB3	1:10:B:THR:HB	2	0.15	0.05	0.15
(1,990)	1:10:B:THR:HB	1:11:B:LEU:H	2	0.15	0.03	0.15
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG21	2	0.12	0.01	0.12
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG22	2	0.12	0.01	0.12
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG23	2	0.12	0.01	0.12
(1,2019)	1:14:A:VAL:HG21	1:40:A:GLU:HG2	2	0.12	0.0	0.12
(1,2019)	1:14:A:VAL:HG22	1:40:A:GLU:HG2	2	0.12	0.0	0.12
(1,2019)	1:14:A:VAL:HG23	1:40:A:GLU:HG2	2	0.12	0.0	0.12

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	6	3.48
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	6	3.48
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	6	3.48
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	12	3.47
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	12	3.47
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	12	3.47
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	6	3.44
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	6	3.44
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	6	3.44
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	10	3.35
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	3	3.35
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	8	3.35
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	11	3.35
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	14	3.35
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	15	3.35
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	13	3.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	9	3.33
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	18	3.32
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	3	3.31
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	6	3.3
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	12	3.3
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	10	3.29
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	17	3.29
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	19	3.29
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	20	3.28
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	9	3.28
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	1	3.27
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	5	3.26
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	7	3.26
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	2	3.25
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	7	3.25
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	18	3.25
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	4	3.25
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	13	3.25
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	17	3.24
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	5	3.24
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	15	3.24
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	16	3.23
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	19	3.22
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	4	3.21
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	14	3.21
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	6	3.2
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	6	3.2
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	6	3.2
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	8	3.18
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	20	3.16
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	12	3.15
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	8	3.09
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	8	3.09
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	8	3.09
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	8	3.09
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	8	3.09
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	8	3.09
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	8	3.09
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	8	3.09
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	8	3.09
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	12	3.09
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	15	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	15	3.08
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	15	3.08
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	20	3.08
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	20	3.08
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	20	3.08
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	14	3.06
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	14	3.06
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	14	3.06
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	12	3.05
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	12	3.05
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	12	3.05
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	11	3.04
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	11	3.04
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	11	3.04
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	4	3.03
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	4	3.03
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	4	3.03
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	8	3.03
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	8	3.03
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	8	3.03
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	7	3.02
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	7	3.02
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	7	3.02
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	19	3.01
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	19	3.01
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	19	3.01
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	1	3.01
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	1	3.01
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	1	3.01
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	12	3.0
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	12	3.0
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	12	3.0
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	4	2.99
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	4	2.99
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	4	2.99
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	1	2.99
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	1	2.99
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	1	2.99
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	12	2.99
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	12	2.99
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	12	2.99
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	15	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	15	2.99
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	15	2.99
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	13	2.99
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	13	2.99
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	13	2.99
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	4	2.98
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	4	2.98
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	4	2.98
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	4	2.98
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	4	2.98
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	4	2.98
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	4	2.98
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	4	2.98
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	4	2.98
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	3	2.98
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	3	2.98
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	3	2.98
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	20	2.98
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	20	2.98
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	20	2.98
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	2	2.97
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	2	2.97
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	2	2.97
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	15	2.96
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	15	2.96
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	15	2.96
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	5	2.96
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	5	2.96
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	5	2.96
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	7	2.96
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	7	2.96
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	7	2.96
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	20	2.95
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	20	2.95
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	20	2.95
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	20	2.95
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	20	2.95
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	20	2.95
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	20	2.95
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	20	2.95
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	20	2.95
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	11	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	11	2.95
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	11	2.95
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	9	2.95
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	9	2.95
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	9	2.95
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	6	2.94
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	6	2.94
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	6	2.94
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	14	2.94
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	14	2.94
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	14	2.94
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	10	2.94
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	10	2.94
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	10	2.94
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	20	2.94
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	20	2.94
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	20	2.94
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	6	2.93
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	6	2.93
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	6	2.93
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	10	2.93
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	10	2.93
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	10	2.93
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	18	2.93
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	18	2.93
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	18	2.93
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	4	2.93
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	4	2.93
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	4	2.93
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	1	2.92
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	1	2.92
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	1	2.92
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	1	2.92
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	1	2.92
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	1	2.92
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	1	2.92
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	1	2.92
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	1	2.92
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	5	2.92
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	5	2.92
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	5	2.92
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	5	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	5	2.92
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	5	2.92
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	5	2.92
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	5	2.92
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	5	2.92
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	18	2.92
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	5	2.92
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	5	2.92
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	5	2.92
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	11	2.91
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	11	2.91
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	11	2.91
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	11	2.91
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	11	2.91
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	11	2.91
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	11	2.91
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	11	2.91
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	11	2.91
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	16	2.91
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	16	2.91
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	16	2.91
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	8	2.91
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	8	2.91
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	8	2.91
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	8	2.9
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	8	2.9
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	8	2.9
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	8	2.9
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	8	2.9
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	8	2.9
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	8	2.9
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	8	2.9
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	8	2.9
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	2	2.9
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	2	2.9
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	2	2.9
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	17	2.9
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	17	2.9
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	17	2.9
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	16	2.89
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	16	2.89
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	16	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	19	2.89
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	19	2.89
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	19	2.89
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	9	2.87
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	9	2.87
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	9	2.87
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	18	2.87
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	18	2.87
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	18	2.87
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	3	2.86
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	3	2.86
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	3	2.86
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	3	2.86
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	3	2.86
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	3	2.86
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	11	2.85
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	11	2.85
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	11	2.85
(1,520)	1:37:B:LEU:HD21	1:38:B:GLN:HE22	13	2.85
(1,520)	1:37:B:LEU:HD22	1:38:B:GLN:HE22	13	2.85
(1,520)	1:37:B:LEU:HD23	1:38:B:GLN:HE22	13	2.85
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	6	2.85
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	6	2.85
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	6	2.85
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	14	2.85
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	14	2.85
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	14	2.85
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	17	2.85
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	17	2.85
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	17	2.85
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	20	2.84
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	20	2.84
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	20	2.84
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	3	2.84
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	18	2.79
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	9	2.76
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	15	2.76
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	15	2.76
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	15	2.76
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	14	2.75
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	14	2.75
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	14	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	14	2.75
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	14	2.75
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	14	2.75
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	14	2.75
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	14	2.75
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	14	2.75
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	15	2.72
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	9	2.71
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	15	2.7
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	15	2.7
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	15	2.7
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	15	2.68
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	15	2.68
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	15	2.68
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	15	2.67
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	6	2.67
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	11	2.66
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	20	2.65
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	20	2.64
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	20	2.64
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	20	2.64
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	19	2.64
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	19	2.64
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	19	2.64
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	2	2.63
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	2	2.63
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	2	2.63
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	18	2.63
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	18	2.63
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	18	2.63
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	5	2.62
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	5	2.62
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	5	2.62
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	5	2.62
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	5	2.62
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	5	2.62
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	5	2.62
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	5	2.62
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	5	2.62
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	17	2.62
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	17	2.62
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	17	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	17	2.62
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	17	2.62
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	17	2.62
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	17	2.62
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	17	2.62
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	17	2.62
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	2	2.62
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	8	2.61
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	8	2.61
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	8	2.61
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	2	2.6
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	2	2.6
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	2	2.6
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	8	2.6
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	8	2.6
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	8	2.6
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	1	2.6
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	11	2.59
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	11	2.59
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	11	2.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	4	2.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	4	2.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	4	2.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	9	2.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	9	2.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	9	2.59
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	2	2.59
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	10	2.59
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	2	2.58
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	2	2.58
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	2	2.58
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	20	2.58
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	20	2.58
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	20	2.58
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	10	2.58
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	16	2.58
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	5	2.58
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	5	2.58
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	5	2.58
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	20	2.58
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	20	2.58
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	20	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	19	2.57
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	19	2.57
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	19	2.57
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	19	2.57
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	19	2.57
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	19	2.57
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	19	2.57
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	19	2.57
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	19	2.57
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	12	2.57
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	12	2.57
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	12	2.57
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	3	2.56
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	3	2.56
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	3	2.56
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	3	2.56
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	3	2.56
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	3	2.56
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	18	2.56
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	18	2.56
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	18	2.56
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	12	2.55
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	12	2.55
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	12	2.55
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	13	2.55
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	13	2.55
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	13	2.55
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	7	2.54
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	7	2.54
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	7	2.54
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	11	2.53
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	6	2.53
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	6	2.53
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	6	2.53
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	2	2.52
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	2	2.52
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	2	2.52
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	8	2.51
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	8	2.51
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	8	2.51
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	10	2.51
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	14	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	5	2.51
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	5	2.51
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	5	2.51
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	6	2.5
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	15	2.5
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	1	2.49
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	1	2.49
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	1	2.49
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	11	2.49
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	19	2.49
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	9	2.49
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	9	2.49
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	9	2.49
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	2	2.48
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	2	2.48
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	2	2.48
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	9	2.47
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	9	2.47
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	9	2.47
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	19	2.47
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	19	2.47
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	19	2.47
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	6	2.47
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	3	2.47
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	16	2.47
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	16	2.47
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	16	2.47
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	19	2.47
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	19	2.47
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	19	2.47
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	18	2.47
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	12	2.46
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	20	2.46
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	16	2.45
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	16	2.45
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	16	2.45
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	16	2.45
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	16	2.45
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	16	2.45
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	16	2.45
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	16	2.45
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	16	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	3	2.45
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	13	2.45
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	1	2.44
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	1	2.44
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	1	2.44
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	10	2.44
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	10	2.44
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	10	2.44
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	13	2.44
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	7	2.44
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	8	2.44
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	13	2.44
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	13	2.44
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	13	2.44
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	8	2.44
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	9	2.44
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	4	2.44
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	7	2.43
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	7	2.43
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	7	2.43
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	4	2.43
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	4	2.43
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	4	2.43
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	14	2.43
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	14	2.43
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	14	2.43
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	6	2.43
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	16	2.43
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	2	2.43
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	5	2.43
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	19	2.43
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	15	2.42
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	17	2.42
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	14	2.42
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	18	2.42
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	20	2.41
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	20	2.41
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	20	2.41
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	10	2.41
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	10	2.41
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	10	2.41
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	13	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	10	2.41
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	5	2.4
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	4	2.4
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	1	2.39
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	1	2.39
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	1	2.39
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	16	2.39
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	16	2.39
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	16	2.39
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	7	2.39
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	10	2.39
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	8	2.38
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	8	2.38
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	8	2.38
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	5	2.38
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	17	2.38
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	1	2.38
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	1	2.38
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	1	2.38
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	5	2.38
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	6	2.38
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	5	2.37
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	5	2.37
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	5	2.37
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	15	2.37
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	15	2.37
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	15	2.37
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	2	2.37
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	3	2.37
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	20	2.37
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	4	2.36
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	4	2.36
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	4	2.36
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	16	2.36
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	1	2.35
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	1	2.35
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	1	2.35
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	11	2.35
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	11	2.35
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	11	2.35
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	3	2.35
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	3	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	3	2.35
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	7	2.35
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	15	2.35
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	17	2.35
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	1	2.34
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	1	2.34
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	1	2.34
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	4	2.34
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	4	2.34
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	4	2.34
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	14	2.34
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	14	2.34
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	14	2.34
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	16	2.34
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	1	2.34
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	1	2.34
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	1	2.34
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	6	2.34
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	6	2.34
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	6	2.34
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	11	2.34
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	11	2.34
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	11	2.34
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	1	2.34
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	19	2.33
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	13	2.33
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	8	2.33
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	19	2.33
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	1	2.33
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	3	2.32
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	3	2.32
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	3	2.32
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	4	2.32
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	4	2.32
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	4	2.32
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	10	2.31
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	10	2.31
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	10	2.31
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	1	2.31
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	17	2.31
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	17	2.31
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	17	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	15	2.31
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	15	2.31
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	15	2.31
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	4	2.31
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	4	2.31
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	4	2.31
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	14	2.31
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	1	2.31
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	9	2.31
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	6	2.31
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	6	2.31
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	6	2.31
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	8	2.3
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	8	2.3
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	8	2.3
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	1	2.3
(1,1999)	1:42:A:SER:HB2	1:45:A:LEU:HB2	2	2.29
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	8	2.28
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	8	2.28
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	8	2.28
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	2	2.28
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	2	2.28
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	2	2.28
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	7	2.28
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	16	2.27
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	16	2.27
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	16	2.27
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	16	2.27
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	16	2.27
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	16	2.27
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	8	2.27
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	7	2.26
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	7	2.26
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	7	2.26
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	2	2.26
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	2	2.26
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	2	2.26
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	8	2.26
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	16	2.26
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	11	2.25
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	11	2.25
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	11	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	5	2.25
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	5	2.25
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	5	2.25
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	9	2.24
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	9	2.24
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	9	2.24
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	10	2.24
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	10	2.24
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	10	2.24
(1,2000)	1:42:B:SER:HB2	1:45:B:LEU:HB2	11	2.24
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	10	2.24
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	10	2.24
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	10	2.24
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	19	2.24
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	19	2.24
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	19	2.24
(1,1761)	1:42:A:SER:HB3	1:45:A:LEU:HB2	4	2.24
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	17	2.24
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	8	2.24
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	17	2.23
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	17	2.23
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	17	2.23
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	8	2.22
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	8	2.22
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	8	2.22
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	13	2.22
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	13	2.22
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	13	2.22
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	2	2.22
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	10	2.22
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	10	2.22
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	10	2.22
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	4	2.21
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	4	2.21
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	4	2.21
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	4	2.21
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	1	2.2
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	1	2.2
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	1	2.2
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	7	2.19
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	7	2.19
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	7	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	4	2.19
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	17	2.18
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	17	2.18
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	17	2.18
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	18	2.18
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	18	2.18
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	18	2.18
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	13	2.17
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	13	2.17
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	13	2.17
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	8	2.17
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	8	2.17
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	8	2.17
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	8	2.16
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	8	2.16
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	8	2.16
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	20	2.15
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	20	2.15
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	20	2.15
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	2	2.15
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	2	2.15
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	2	2.15
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	13	2.15
(1,1762)	1:42:B:SER:HB3	1:45:B:LEU:HB2	20	2.15
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	1	2.15
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	17	2.14
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	17	2.14
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	17	2.14
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	17	2.14
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	13	2.14
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	13	2.14
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	13	2.14
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	13	2.14
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	13	2.14
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	13	2.14
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	13	2.14
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	13	2.14
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	13	2.14
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	6	2.14
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	6	2.14
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	6	2.14
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	16	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	16	2.14
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	16	2.14
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	9	2.14
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	9	2.14
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	9	2.14
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	9	2.13
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	9	2.13
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	9	2.13
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	15	2.13
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	15	2.13
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	15	2.13
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	18	2.13
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	18	2.13
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	18	2.13
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	18	2.13
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	18	2.13
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	18	2.13
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	18	2.13
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	18	2.13
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	18	2.13
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	11	2.13
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	11	2.13
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	11	2.13
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	7	2.12
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	7	2.12
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	7	2.12
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	14	2.12
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	14	2.12
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	14	2.12
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	19	2.12
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	19	2.12
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	19	2.12
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	1	2.11
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	1	2.11
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	1	2.11
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	10	2.11
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	16	2.1
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	16	2.1
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	16	2.1
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	6	2.1
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	6	2.1
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	6	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	4	2.1
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	4	2.1
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	4	2.1
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	18	2.1
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	18	2.1
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	18	2.1
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	20	2.1
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	20	2.1
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	20	2.1
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	10	2.09
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	10	2.09
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	10	2.09
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	10	2.09
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	3	2.09
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	3	2.09
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	3	2.09
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	14	2.09
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	14	2.09
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	14	2.09
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	18	2.09
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	14	2.09
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	14	2.09
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	14	2.09
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	2	2.09
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	1	2.09
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	1	2.09
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	1	2.09
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	10	2.08
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	10	2.08
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	10	2.08
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	3	2.08
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	6	2.08
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	20	2.08
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	20	2.08
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	20	2.08
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	13	2.08
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	13	2.08
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	13	2.08
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	2	2.07
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	2	2.07
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	2	2.07
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	4	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	4	2.07
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	4	2.07
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	11	2.07
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	11	2.07
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	11	2.07
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	14	2.07
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	9	2.07
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	9	2.07
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	9	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	1	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	1	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	1	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	2	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	2	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	2	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	5	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	5	2.07
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	5	2.07
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	6	2.07
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	6	2.07
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	6	2.07
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	16	2.07
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	16	2.07
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	16	2.07
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	11	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	4	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	4	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	4	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	7	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	7	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	7	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	11	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	11	2.06
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	11	2.06
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	3	2.06
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	3	2.06
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	3	2.06
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	8	2.05
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	15	2.05
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	20	2.05
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	15	2.05
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	15	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	15	2.05
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	14	2.05
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	14	2.05
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	14	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	5	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	5	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	5	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	14	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	14	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	14	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	19	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	19	2.05
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	19	2.05
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	20	2.04
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	20	2.04
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	20	2.04
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	8	2.04
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	8	2.04
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	8	2.04
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	6	2.04
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	6	2.04
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	6	2.04
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	11	2.04
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	11	2.04
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	11	2.04
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	18	2.04
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	18	2.04
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	18	2.04
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	7	2.04
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	7	2.04
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	7	2.04
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	9	2.04
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	9	2.04
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	9	2.04
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	16	2.04
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	18	2.04
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	7	2.04
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	13	2.04
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	19	2.04
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	6	2.04
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	6	2.04
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	6	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	16	2.04
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	16	2.04
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	16	2.04
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	7	2.04
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	7	2.04
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	7	2.04
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	17	2.04
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	17	2.04
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	17	2.04
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	7	2.03
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	7	2.03
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	7	2.03
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	9	2.03
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	9	2.03
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	9	2.03
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	5	2.03
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	19	2.03
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	3	2.03
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	5	2.03
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	17	2.03
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	17	2.03
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	17	2.03
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	17	2.03
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	13	2.03
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	13	2.03
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	13	2.03
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	9	2.03
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	9	2.03
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	9	2.03
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	12	2.03
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	12	2.03
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	12	2.03
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	15	2.02
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	15	2.02
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	15	2.02
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	12	2.02
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	12	2.02
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	12	2.02
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	19	2.02
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	19	2.02
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	19	2.02
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	8	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	8	2.02
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	8	2.02
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	9	2.02
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	9	2.02
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	9	2.02
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	12	2.01
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	12	2.01
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	12	2.01
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	17	2.01
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	17	2.01
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	17	2.01
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	13	2.01
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	13	2.01
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	13	2.01
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	18	2.01
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	18	2.01
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	18	2.01
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	12	2.01
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	11	2.01
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	11	2.01
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	11	2.01
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	4	2.01
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	4	2.01
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	4	2.01
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	3	2.01
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	3	2.01
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	3	2.01
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	15	2.01
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	15	2.01
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	15	2.01
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	2	2.01
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	2	2.01
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	2	2.01
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	3	2.0
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	3	2.0
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	3	2.0
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	5	2.0
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	5	2.0
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	5	2.0
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	17	2.0
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	17	2.0
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	17	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	7	2.0
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	14	2.0
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	13	2.0
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	13	2.0
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	13	2.0
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	18	2.0
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	10	2.0
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	10	2.0
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	10	2.0
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	12	1.99
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	12	1.99
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	12	1.99
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	10	1.99
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	2	1.99
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	2	1.99
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	2	1.99
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	10	1.99
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	10	1.99
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	10	1.99
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	19	1.98
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	19	1.98
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	19	1.98
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	13	1.98
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	13	1.98
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	13	1.98
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	12	1.98
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	12	1.98
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	12	1.98
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	12	1.98
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	12	1.98
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	12	1.98
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	12	1.98
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	14	1.97
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	14	1.97
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	14	1.97
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	16	1.97
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	16	1.97
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	16	1.97
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	18	1.97
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	18	1.97
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	18	1.97
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	19	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	19	1.97
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	19	1.97
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	16	1.97
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	16	1.97
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	16	1.97
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	1	1.97
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	1	1.97
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	1	1.97
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	9	1.97
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	9	1.97
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	9	1.97
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	20	1.97
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	20	1.97
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	20	1.97
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	8	1.97
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	8	1.97
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	8	1.97
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	20	1.97
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	4	1.97
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	18	1.97
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	18	1.97
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	18	1.97
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	8	1.97
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	8	1.97
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	8	1.97
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	1	1.96
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	1	1.96
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	1	1.96
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	1	1.96
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	1	1.96
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	1	1.96
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	1	1.96
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	1	1.96
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	1	1.96
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	1	1.96
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	1	1.96
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	1	1.96
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	8	1.96
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	8	1.96
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	8	1.96
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	11	1.96
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	11	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	11	1.96
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	15	1.96
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	15	1.96
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	15	1.96
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	2	1.96
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	2	1.96
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	2	1.96
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	9	1.96
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	9	1.96
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	9	1.96
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	4	1.96
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	10	1.96
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	10	1.96
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	10	1.96
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	17	1.95
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	17	1.95
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	17	1.95
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	10	1.95
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	10	1.95
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	10	1.95
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	12	1.95
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	12	1.95
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	12	1.95
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	6	1.95
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	6	1.95
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	6	1.95
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	6	1.95
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	13	1.95
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	2	1.95
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	17	1.95
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	17	1.95
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	17	1.95
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	10	1.94
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	10	1.94
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	10	1.94
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	6	1.94
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	6	1.94
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	6	1.94
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	13	1.94
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	13	1.94
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	13	1.94
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	16	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	16	1.94
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	16	1.94
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	7	1.94
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	7	1.94
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	7	1.94
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	18	1.94
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	18	1.94
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	18	1.94
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	8	1.94
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	17	1.94
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	1	1.94
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	3	1.94
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	3	1.94
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	3	1.94
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	16	1.94
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD21	17	1.94
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD22	17	1.94
(1,776)	1:35:B:GLU:H	1:37:B:LEU:HD23	17	1.94
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	18	1.93
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	18	1.93
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	18	1.93
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	4	1.93
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	4	1.93
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	4	1.93
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	9	1.93
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	9	1.93
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	9	1.93
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	2	1.93
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	2	1.93
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	2	1.93
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	4	1.93
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	4	1.93
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	4	1.93
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	10	1.93
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	10	1.93
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	10	1.93
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	10	1.93
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	10	1.93
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	10	1.93
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	16	1.93
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	16	1.93
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	16	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	1	1.93
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	17	1.93
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	14	1.92
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	14	1.92
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	14	1.92
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	3	1.92
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	3	1.92
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	3	1.92
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	4	1.92
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	4	1.92
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	4	1.92
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	2	1.92
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	2	1.92
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	2	1.92
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	3	1.92
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	3	1.92
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	3	1.92
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	13	1.92
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	13	1.92
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	13	1.92
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	20	1.92
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	20	1.92
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	20	1.92
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	9	1.92
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	19	1.92
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	5	1.92
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	5	1.92
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	5	1.92
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	2	1.92
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	2	1.92
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	2	1.92
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	2	1.91
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	2	1.91
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	2	1.91
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	5	1.91
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	5	1.91
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	5	1.91
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	7	1.91
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	7	1.91
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	7	1.91
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	14	1.91
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	14	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	14	1.91
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	17	1.91
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	17	1.91
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	17	1.91
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	19	1.91
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	19	1.91
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	19	1.91
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	17	1.91
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	17	1.91
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	17	1.91
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	6	1.9
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	6	1.9
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	6	1.9
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	4	1.9
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	4	1.9
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	4	1.9
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	13	1.9
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	13	1.9
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	13	1.9
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	7	1.9
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	7	1.9
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	7	1.9
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	11	1.89
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	11	1.89
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	11	1.89
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	5	1.89
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	5	1.89
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	5	1.89
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	12	1.89
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	14	1.89
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	18	1.89
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD21	18	1.89
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD22	18	1.89
(1,1918)	1:34:B:LYS:HG2	1:37:B:LEU:HD23	18	1.89
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	1	1.89
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	1	1.89
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	1	1.89
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	10	1.89
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	10	1.89
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	10	1.89
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	13	1.89
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	13	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	13	1.89
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	1	1.88
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	1	1.88
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	1	1.88
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	10	1.88
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	10	1.88
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	10	1.88
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	20	1.88
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	13	1.88
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	13	1.88
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	13	1.88
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	7	1.87
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	7	1.87
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	7	1.87
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	1	1.87
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	1	1.87
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	1	1.87
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	19	1.87
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	19	1.87
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	19	1.87
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	3	1.87
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	14	1.87
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	14	1.87
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	14	1.87
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	2	1.87
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	2	1.87
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	2	1.87
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	11	1.87
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	11	1.87
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	11	1.87
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	11	1.86
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	11	1.86
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	11	1.86
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	5	1.86
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	5	1.86
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	5	1.86
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	13	1.86
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	13	1.86
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	13	1.86
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	13	1.86
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	13	1.86
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	13	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	13	1.86
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	13	1.86
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	13	1.86
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	16	1.86
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	16	1.86
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	16	1.86
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	16	1.86
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	16	1.86
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	16	1.86
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	16	1.86
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	16	1.86
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	16	1.86
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	20	1.86
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	20	1.86
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	20	1.86
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	8	1.86
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	8	1.86
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	8	1.86
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	16	1.86
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	16	1.86
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	16	1.86
(1,2088)	1:37:B:LEU:HD21	1:38:B:GLN:HG3	5	1.86
(1,2088)	1:37:B:LEU:HD22	1:38:B:GLN:HG3	5	1.86
(1,2088)	1:37:B:LEU:HD23	1:38:B:GLN:HG3	5	1.86
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	14	1.86
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	14	1.86
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	14	1.86
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	17	1.86
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	7	1.86
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	7	1.86
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	7	1.86
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	17	1.86
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	17	1.86
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	17	1.86
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	12	1.85
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	12	1.85
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	12	1.85
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	12	1.85
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	12	1.85
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	12	1.85
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	9	1.85
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	9	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	9	1.85
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	14	1.85
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	14	1.85
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	14	1.85
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	15	1.85
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	15	1.85
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	15	1.85
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	3	1.85
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	3	1.85
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	3	1.85
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	10	1.85
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	10	1.85
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	10	1.85
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	17	1.85
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	17	1.85
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	17	1.85
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	4	1.85
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	8	1.85
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	8	1.85
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	8	1.85
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	6	1.85
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	6	1.85
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	6	1.85
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	14	1.85
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	14	1.85
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	14	1.85
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	8	1.84
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	8	1.84
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	8	1.84
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	8	1.84
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	8	1.84
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	8	1.84
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	8	1.84
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	8	1.84
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	8	1.84
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	15	1.84
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	15	1.84
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	15	1.84
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	3	1.84
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	3	1.84
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	3	1.84
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	10	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	10	1.84
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	10	1.84
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	12	1.84
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	12	1.84
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	12	1.84
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	7	1.84
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	7	1.84
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	7	1.84
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	8	1.84
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	8	1.84
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	8	1.84
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	4	1.84
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	4	1.84
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	4	1.84
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	20	1.84
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	20	1.84
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	20	1.84
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	4	1.83
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	4	1.83
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	4	1.83
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	4	1.83
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	4	1.83
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	4	1.83
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	4	1.83
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	4	1.83
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	4	1.83
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	4	1.83
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	4	1.83
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	4	1.83
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	15	1.83
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	15	1.83
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	15	1.83
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	17	1.83
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	17	1.83
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	17	1.83
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	17	1.83
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	17	1.83
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	17	1.83
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	4	1.83
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	4	1.83
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	4	1.83
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	6	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	6	1.82
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	6	1.82
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	17	1.82
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	17	1.82
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	17	1.82
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	20	1.82
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	20	1.82
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	20	1.82
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	20	1.82
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	20	1.82
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	20	1.82
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	20	1.82
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	20	1.82
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	20	1.82
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	2	1.82
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	2	1.82
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	2	1.82
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	14	1.82
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	14	1.82
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	14	1.82
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	19	1.82
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	19	1.82
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	19	1.82
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	4	1.82
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	4	1.82
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	4	1.82
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	17	1.82
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	17	1.82
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	17	1.82
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	3	1.82
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	3	1.82
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	3	1.82
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	16	1.82
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	16	1.82
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	16	1.82
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	9	1.82
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	17	1.81
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	17	1.81
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	17	1.81
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	17	1.81
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	17	1.81
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	17	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	17	1.81
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	17	1.81
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	17	1.81
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	8	1.81
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	8	1.81
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	8	1.81
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	20	1.81
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	20	1.81
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	20	1.81
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	16	1.81
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	16	1.81
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	16	1.81
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	15	1.81
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	15	1.81
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	15	1.81
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	14	1.8
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	14	1.8
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	14	1.8
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	14	1.8
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	14	1.8
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	14	1.8
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	14	1.8
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	14	1.8
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	14	1.8
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	1	1.8
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	1	1.8
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	1	1.8
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	17	1.8
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	17	1.8
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	17	1.8
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	1	1.8
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	1	1.8
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	1	1.8
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	5	1.8
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	5	1.8
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	5	1.8
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	7	1.79
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	7	1.79
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	7	1.79
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	10	1.79
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	10	1.79
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	10	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	13	1.79
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	13	1.79
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	13	1.79
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	19	1.79
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	19	1.79
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	19	1.79
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	14	1.79
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	14	1.79
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	14	1.79
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	14	1.79
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	14	1.79
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	14	1.79
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	15	1.79
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	1	1.79
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	1	1.79
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	1	1.79
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	9	1.79
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	9	1.79
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	9	1.79
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	19	1.79
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	19	1.79
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	19	1.79
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	3	1.78
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	3	1.78
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	3	1.78
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	11	1.78
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	11	1.78
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	11	1.78
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	20	1.78
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	20	1.78
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	20	1.78
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	5	1.78
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	5	1.78
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	5	1.78
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	20	1.78
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	20	1.78
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	20	1.78
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	7	1.78
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	14	1.78
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	1	1.78
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	1	1.78
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	1	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	10	1.77
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	10	1.77
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	10	1.77
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	10	1.77
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	5	1.77
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	5	1.77
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	5	1.77
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	6	1.77
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	6	1.77
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	6	1.77
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	6	1.77
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	6	1.77
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	6	1.77
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	12	1.77
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	12	1.77
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	12	1.77
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	9	1.77
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	9	1.77
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	9	1.77
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	18	1.77
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	18	1.77
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	18	1.77
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	15	1.77
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	11	1.77
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	11	1.77
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	11	1.77
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	19	1.76
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	19	1.76
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	19	1.76
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	19	1.76
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	19	1.76
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	19	1.76
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	19	1.76
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	19	1.76
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	19	1.76
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	19	1.76
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	19	1.76
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	19	1.76
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	10	1.76
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	10	1.76
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	10	1.76
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	5	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	5	1.76
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	5	1.76
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	3	1.76
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	3	1.76
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	3	1.76
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	15	1.75
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	15	1.75
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	15	1.75
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	15	1.75
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	16	1.75
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	16	1.75
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	16	1.75
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	18	1.75
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	18	1.75
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	18	1.75
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	7	1.75
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	7	1.75
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	7	1.75
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	2	1.74
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	2	1.74
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	2	1.74
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	2	1.74
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	17	1.74
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	17	1.74
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	17	1.74
(1,2268)	1:57:B:VAL:HG21	1:61:B:LEU:HB2	13	1.74
(1,2268)	1:57:B:VAL:HG22	1:61:B:LEU:HB2	13	1.74
(1,2268)	1:57:B:VAL:HG23	1:61:B:LEU:HB2	13	1.74
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	6	1.74
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	6	1.74
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	6	1.74
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	7	1.74
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	7	1.74
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	7	1.74
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	12	1.74
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	12	1.74
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	12	1.74
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	10	1.74
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	3	1.74
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	3	1.74
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	3	1.74
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	19	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	19	1.73
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	19	1.73
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	13	1.73
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	13	1.73
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	13	1.73
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	18	1.73
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	18	1.73
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	18	1.73
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	1	1.73
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	1	1.73
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	1	1.73
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	1	1.72
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	1	1.72
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	1	1.72
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	1	1.72
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	18	1.72
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	18	1.72
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	18	1.72
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	2	1.72
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	2	1.72
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	2	1.72
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	19	1.72
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	19	1.72
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	19	1.72
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	14	1.72
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	14	1.72
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	14	1.72
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	8	1.72
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	8	1.72
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	8	1.72
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	20	1.71
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	20	1.71
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	20	1.71
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	20	1.71
(1,2726)	1:76:B:VAL:HG21	1:80:B:ALA:HA	2	1.71
(1,2726)	1:76:B:VAL:HG22	1:80:B:ALA:HA	2	1.71
(1,2726)	1:76:B:VAL:HG23	1:80:B:ALA:HA	2	1.71
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	10	1.71
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	10	1.71
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	10	1.71
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	17	1.71
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	17	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	17	1.71
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	18	1.7
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	18	1.7
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	18	1.7
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	12	1.7
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	12	1.7
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	12	1.7
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	18	1.7
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	18	1.7
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	18	1.7
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	18	1.7
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	18	1.7
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	18	1.7
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	18	1.7
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	18	1.7
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	18	1.7
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	5	1.7
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	5	1.7
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	5	1.7
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	11	1.7
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	8	1.7
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	8	1.7
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	8	1.7
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	15	1.7
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	15	1.7
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	15	1.7
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	9	1.69
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	9	1.69
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	9	1.69
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	12	1.68
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	12	1.68
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	12	1.68
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	10	1.68
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	10	1.68
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	10	1.68
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	8	1.67
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	8	1.67
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	8	1.67
(1,2267)	1:57:A:VAL:HG21	1:61:A:LEU:HB2	11	1.67
(1,2267)	1:57:A:VAL:HG22	1:61:A:LEU:HB2	11	1.67
(1,2267)	1:57:A:VAL:HG23	1:61:A:LEU:HB2	11	1.67
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	5	1.67
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	5	1.67
(1,901)	1:54:A:VAL:HG21	1:84:A:ALA:H	12	1.67
(1,901)	1:54:A:VAL:HG22	1:84:A:ALA:H	12	1.67
(1,901)	1:54:A:VAL:HG23	1:84:A:ALA:H	12	1.67
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	2	1.67
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	2	1.67
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	2	1.67
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	4	1.66
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	4	1.66
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	4	1.66
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	7	1.66
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	7	1.66
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	7	1.66
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	9	1.66
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	9	1.66
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	9	1.66
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	11	1.66
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	11	1.66
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	11	1.66
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	12	1.66
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	12	1.66
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	12	1.66
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	20	1.66
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	20	1.66
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	20	1.66
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	7	1.66
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	7	1.66
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	7	1.66
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	5	1.66
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	5	1.66
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	5	1.66
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	5	1.66
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	5	1.66
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	5	1.66
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	5	1.66
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	5	1.66
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	5	1.66
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	6	1.66
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	6	1.66
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	6	1.66
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	4	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	9	1.66
(1,2724)	1:76:A:VAL:HG21	1:80:A:ALA:HA	5	1.65
(1,2724)	1:76:A:VAL:HG22	1:80:A:ALA:HA	5	1.65
(1,2724)	1:76:A:VAL:HG23	1:80:A:ALA:HA	5	1.65
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	1	1.65
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	1	1.65
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	1	1.65
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	15	1.65
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	15	1.65
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	15	1.65
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	2	1.65
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	2	1.65
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	2	1.65
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	14	1.65
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	14	1.65
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	14	1.65
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	13	1.65
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	13	1.65
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	13	1.65
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	12	1.65
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	12	1.65
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	12	1.65
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	7	1.65
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	7	1.65
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	7	1.65
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	8	1.65
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	8	1.65
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	8	1.65
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	11	1.65
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	11	1.65
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	11	1.65
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	18	1.65
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	18	1.65
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	18	1.65
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	13	1.64
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	13	1.64
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	13	1.64
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	17	1.64
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	17	1.64
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	17	1.64
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	19	1.64
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	19	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	19	1.64
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	10	1.64
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	10	1.64
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	10	1.64
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	20	1.64
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	20	1.64
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	20	1.64
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	19	1.64
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	19	1.64
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	19	1.64
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	18	1.64
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	18	1.64
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	18	1.64
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	5	1.64
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	5	1.64
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	5	1.64
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	3	1.64
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	3	1.64
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	3	1.64
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	3	1.64
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	3	1.64
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	3	1.64
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	15	1.64
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	15	1.64
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	15	1.64
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	4	1.64
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	4	1.64
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	4	1.64
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	10	1.63
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	10	1.63
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	10	1.63
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	1	1.63
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	1	1.63
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	1	1.63
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	8	1.63
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	8	1.63
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	8	1.63
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	3	1.63
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	3	1.63
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	3	1.63
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	20	1.63
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	20	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	20	1.63
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	1	1.63
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	1	1.63
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	1	1.63
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	2	1.63
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	2	1.63
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	2	1.63
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	1	1.63
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	1	1.63
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	1	1.63
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	19	1.63
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	11	1.63
(1,902)	1:54:B:VAL:HG21	1:84:B:ALA:H	9	1.63
(1,902)	1:54:B:VAL:HG22	1:84:B:ALA:H	9	1.63
(1,902)	1:54:B:VAL:HG23	1:84:B:ALA:H	9	1.63
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	19	1.63
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	19	1.63
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	19	1.63
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	1	1.63
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	1	1.63
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	1	1.63
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	12	1.63
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	12	1.63
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	12	1.63
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	6	1.62
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	6	1.62
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	6	1.62
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	16	1.62
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	16	1.62
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	16	1.62
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	13	1.62
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	13	1.62
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	13	1.62
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	18	1.62
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	18	1.62
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	18	1.62
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	5	1.62
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	5	1.62
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	5	1.62
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	18	1.62
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	18	1.62
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	18	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	11	1.62
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	11	1.62
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	11	1.62
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	5	1.62
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	5	1.62
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	5	1.62
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	12	1.62
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	12	1.62
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	12	1.62
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	20	1.62
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	20	1.62
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	20	1.62
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	4	1.61
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	4	1.61
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	4	1.61
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	6	1.61
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	6	1.61
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	6	1.61
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	9	1.61
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	9	1.61
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	9	1.61
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	16	1.61
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	16	1.61
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	16	1.61
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	19	1.61
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	19	1.61
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	19	1.61
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	14	1.61
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	14	1.61
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	14	1.61
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	19	1.61
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	19	1.61
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	19	1.61
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	7	1.61
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	7	1.61
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	7	1.61
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	16	1.61
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	16	1.61
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	16	1.61
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	18	1.61
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	18	1.61
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	18	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	8	1.61
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	8	1.61
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	8	1.61
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	1	1.61
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	1	1.61
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	1	1.61
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	15	1.61
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	15	1.61
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	15	1.61
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	13	1.61
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	13	1.61
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	13	1.61
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	2	1.6
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	2	1.6
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	2	1.6
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	14	1.6
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	14	1.6
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	14	1.6
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	19	1.6
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	19	1.6
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	19	1.6
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	18	1.6
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	18	1.6
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	18	1.6
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	5	1.6
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	5	1.6
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	5	1.6
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	2	1.6
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	2	1.6
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	2	1.6
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG21	2	1.6
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG22	2	1.6
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG23	2	1.6
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	3	1.59
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	3	1.59
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	3	1.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	18	1.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	18	1.59
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	18	1.59
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	14	1.59
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	14	1.59
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	14	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	18	1.59
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	5	1.58
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	5	1.58
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	5	1.58
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	17	1.58
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	17	1.58
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	17	1.58
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	4	1.58
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	4	1.58
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	4	1.58
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	18	1.58
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	18	1.58
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	18	1.58
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	11	1.58
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	11	1.58
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	11	1.58
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	16	1.58
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	17	1.58
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	9	1.58
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	9	1.58
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	9	1.58
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	7	1.58
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	7	1.58
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	7	1.58
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	20	1.58
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	20	1.58
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	20	1.58
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	8	1.58
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	8	1.58
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	8	1.58
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG21	1	1.58
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG22	1	1.58
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG23	1	1.58
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	11	1.58
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	11	1.58
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	11	1.58
(1,2366)	1:37:B:LEU:HD21	1:38:B:GLN:HB3	5	1.57
(1,2366)	1:37:B:LEU:HD22	1:38:B:GLN:HB3	5	1.57
(1,2366)	1:37:B:LEU:HD23	1:38:B:GLN:HB3	5	1.57
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	5	1.57
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	5	1.57
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	5	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	18	1.57
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	18	1.57
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	18	1.57
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	17	1.57
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	17	1.57
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	17	1.57
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	13	1.57
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	20	1.57
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	20	1.57
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	20	1.57
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	10	1.57
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	10	1.57
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	10	1.57
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	12	1.57
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	14	1.57
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	14	1.57
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	14	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	6	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	6	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	6	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	10	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	10	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	10	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	13	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	13	1.57
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	13	1.57
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	4	1.56
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	4	1.56
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	4	1.56
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	14	1.56
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	14	1.56
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	14	1.56
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	1	1.56
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	1	1.56
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	1	1.56
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	10	1.56
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	10	1.56
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	10	1.56
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	13	1.56
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	13	1.56
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	13	1.56
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	10	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	10	1.56
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	10	1.56
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	18	1.56
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	18	1.56
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	18	1.56
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	4	1.56
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	4	1.56
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	4	1.56
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	5	1.56
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	5	1.56
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	5	1.56
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	10	1.56
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	10	1.56
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	10	1.56
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	17	1.56
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	17	1.56
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	17	1.56
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	13	1.55
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	13	1.55
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	13	1.55
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	13	1.55
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	2	1.55
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	2	1.55
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	2	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	3	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	3	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	3	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	9	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	9	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	9	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	13	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	13	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	13	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	14	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	14	1.55
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	14	1.55
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	5	1.55
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	5	1.55
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	5	1.55
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	2	1.55
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	2	1.55
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	6	1.55
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	6	1.55
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	6	1.55
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	16	1.55
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	16	1.55
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	16	1.55
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG21	4	1.55
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG22	4	1.55
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG23	4	1.55
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	3	1.54
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	3	1.54
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	3	1.54
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	12	1.54
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	12	1.54
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	12	1.54
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	19	1.54
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	19	1.54
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	19	1.54
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	5	1.54
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	5	1.54
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	5	1.54
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	6	1.54
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	1	1.54
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	12	1.54
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	12	1.54
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	12	1.54
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	19	1.54
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	19	1.54
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	19	1.54
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	20	1.54
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	20	1.54
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	20	1.54
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	16	1.54
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	16	1.54
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	16	1.54
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	8	1.54
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	8	1.54
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	8	1.54
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	14	1.54
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	14	1.54
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	14	1.54
(1,2365)	1:37:A:LEU:HD21	1:38:A:GLN:HB3	14	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2365)	1:37:A:LEU:HD22	1:38:A:GLN:HB3	14	1.53
(1,2365)	1:37:A:LEU:HD23	1:38:A:GLN:HB3	14	1.53
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	1	1.53
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	1	1.53
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	1	1.53
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	13	1.53
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	13	1.53
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	13	1.53
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	6	1.53
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	6	1.53
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	6	1.53
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	17	1.53
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	17	1.53
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	17	1.53
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	19	1.53
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	19	1.53
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	19	1.53
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG21	8	1.53
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG22	8	1.53
(1,392)	1:72:B:GLN:H	1:75:B:VAL:HG23	8	1.53
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	15	1.53
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	15	1.53
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	15	1.53
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	3	1.52
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	3	1.52
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	3	1.52
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	7	1.52
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	7	1.52
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	7	1.52
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	15	1.52
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	15	1.52
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	15	1.52
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	2	1.52
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	2	1.52
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	2	1.52
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	3	1.52
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	3	1.52
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	3	1.52
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	17	1.52
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	17	1.52
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	17	1.52
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	9	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	9	1.52
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	9	1.52
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	16	1.52
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	16	1.52
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	16	1.52
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	20	1.52
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	20	1.52
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	20	1.52
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	1	1.51
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	1	1.51
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	1	1.51
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	17	1.51
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	17	1.51
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	17	1.51
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	20	1.51
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	20	1.51
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	20	1.51
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	6	1.51
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	6	1.51
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	6	1.51
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	6	1.51
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	6	1.51
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	6	1.51
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	6	1.51
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	6	1.51
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	6	1.51
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	9	1.51
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	9	1.51
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	9	1.51
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	10	1.51
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	10	1.51
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	10	1.51
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	12	1.51
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	12	1.51
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	12	1.51
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	15	1.51
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	15	1.51
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	15	1.51
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	3	1.51
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	3	1.51
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	3	1.51
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	18	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	18	1.51
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	18	1.51
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	9	1.51
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	9	1.51
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	9	1.51
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	16	1.51
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	16	1.51
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	16	1.51
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	2	1.5
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	2	1.5
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	2	1.5
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	7	1.5
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	7	1.5
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	7	1.5
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	15	1.5
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	15	1.5
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	15	1.5
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	16	1.5
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	16	1.5
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	16	1.5
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	9	1.5
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	9	1.5
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	9	1.5
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	7	1.5
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	7	1.5
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	7	1.5
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	7	1.5
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	7	1.5
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	7	1.5
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	7	1.5
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	7	1.5
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	7	1.5
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	8	1.5
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	8	1.5
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	8	1.5
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	19	1.5
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	19	1.5
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	19	1.5
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	6	1.5
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	6	1.5
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	6	1.5
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	1	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	7	1.5
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	7	1.5
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	7	1.5
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	10	1.5
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	10	1.5
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	10	1.5
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	18	1.5
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	18	1.5
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	18	1.5
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	3	1.5
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	3	1.5
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	3	1.5
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	6	1.5
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	6	1.5
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	6	1.5
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	9	1.49
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	9	1.49
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	9	1.49
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	9	1.49
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	9	1.49
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	9	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	8	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	8	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	8	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	9	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	9	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	9	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	11	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	11	1.49
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	11	1.49
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	1	1.49
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	1	1.49
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	1	1.49
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	4	1.49
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	4	1.49
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	4	1.49
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	10	1.49
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	10	1.49
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	10	1.49
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	9	1.49
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	10	1.49
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	10	1.49
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	10	1.49
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	10	1.49
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	10	1.49
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	14	1.49
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	14	1.49
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	14	1.49
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	14	1.49
(1,709)	1:37:A:LEU:HD21	1:38:A:GLN:HE21	17	1.49
(1,709)	1:37:A:LEU:HD22	1:38:A:GLN:HE21	17	1.49
(1,709)	1:37:A:LEU:HD23	1:38:A:GLN:HE21	17	1.49
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	19	1.49
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	19	1.49
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	19	1.49
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	2	1.49
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	2	1.49
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	2	1.49
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	15	1.48
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	15	1.48
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	15	1.48
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	15	1.48
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	15	1.48
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	15	1.48
(1,710)	1:37:B:LEU:HD21	1:38:B:GLN:HE21	13	1.48
(1,710)	1:37:B:LEU:HD22	1:38:B:GLN:HE21	13	1.48
(1,710)	1:37:B:LEU:HD23	1:38:B:GLN:HE21	13	1.48
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	16	1.48
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	16	1.48
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	16	1.48
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	3	1.48
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	3	1.48
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	3	1.48
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	5	1.48
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	9	1.47
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	9	1.47
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	9	1.47
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	9	1.47
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	16	1.47
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	16	1.47
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	16	1.47
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	16	1.47
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	15	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	15	1.47
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	15	1.47
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	7	1.47
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	7	1.47
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	7	1.47
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	16	1.47
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	16	1.47
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	16	1.47
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	12	1.47
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	12	1.47
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	12	1.47
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	8	1.47
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	8	1.47
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	8	1.47
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	16	1.47
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	16	1.47
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	16	1.47
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	19	1.47
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	19	1.47
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	19	1.47
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	5	1.47
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	20	1.47
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	20	1.47
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	20	1.47
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	11	1.47
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	16	1.46
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	16	1.46
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	16	1.46
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	16	1.46
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	20	1.46
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	20	1.46
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	20	1.46
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	20	1.46
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	10	1.46
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	10	1.46
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	10	1.46
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	13	1.46
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	13	1.46
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	13	1.46
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	19	1.46
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	19	1.46
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	13	1.46
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	13	1.46
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	13	1.46
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	16	1.46
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	16	1.46
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	16	1.46
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	2	1.46
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	2	1.46
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	2	1.46
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	16	1.46
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	16	1.46
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	16	1.46
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	4	1.46
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	4	1.46
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	4	1.46
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	13	1.46
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	13	1.46
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	13	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	2	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	2	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	2	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	17	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	17	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	17	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	18	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	18	1.46
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	18	1.46
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	17	1.46
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	17	1.46
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	17	1.46
(1,68)	1:61:B:LEU:H	1:63:B:GLU:HG2	12	1.46
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	17	1.45
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	17	1.45
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	17	1.45
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	17	1.45
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	7	1.45
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	7	1.45
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	7	1.45
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	9	1.45
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	9	1.45
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	9	1.45
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	20	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	20	1.45
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	20	1.45
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	11	1.45
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	11	1.45
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	11	1.45
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	20	1.45
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	20	1.45
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	20	1.45
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	2	1.45
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	2	1.45
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	2	1.45
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	13	1.45
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	13	1.45
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	13	1.45
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	14	1.45
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	14	1.45
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	14	1.45
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	19	1.45
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	19	1.45
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	19	1.45
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	15	1.45
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	4	1.45
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	4	1.45
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	4	1.45
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	9	1.45
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	9	1.45
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	9	1.45
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	15	1.45
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	15	1.45
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	15	1.45
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	19	1.45
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	19	1.45
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	19	1.45
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	5	1.45
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	5	1.45
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	5	1.45
(1,3177)	1:76:A:VAL:HG11	1:72:B:GLN:HG3	16	1.44
(1,3177)	1:76:A:VAL:HG12	1:72:B:GLN:HG3	16	1.44
(1,3177)	1:76:A:VAL:HG13	1:72:B:GLN:HG3	16	1.44
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG11	16	1.44
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG12	16	1.44
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG13	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	19	1.44
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	19	1.44
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	19	1.44
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	19	1.44
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	17	1.44
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	17	1.44
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	17	1.44
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	18	1.44
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	18	1.44
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	18	1.44
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	20	1.44
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	20	1.44
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	20	1.44
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	3	1.44
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	3	1.44
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	3	1.44
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	10	1.44
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	10	1.44
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	10	1.44
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	18	1.44
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	18	1.44
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	18	1.44
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	12	1.44
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	12	1.44
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	12	1.44
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	3	1.44
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	7	1.44
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	9	1.44
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	9	1.44
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	9	1.44
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	6	1.43
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	6	1.43
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	6	1.43
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	6	1.43
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	19	1.43
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	19	1.43
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	19	1.43
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD21	15	1.43
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD22	15	1.43
(1,2360)	1:37:B:LEU:HB2	1:41:B:LEU:HD23	15	1.43
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	13	1.43
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	13	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	13	1.43
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	8	1.43
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	8	1.43
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	8	1.43
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	8	1.43
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	8	1.43
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	8	1.43
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	8	1.43
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	8	1.43
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	8	1.43
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	19	1.43
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	19	1.43
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	19	1.43
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	16	1.43
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	16	1.43
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	16	1.43
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	15	1.43
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	15	1.43
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	15	1.43
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	4	1.43
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	4	1.43
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	4	1.43
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	4	1.42
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	4	1.42
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	4	1.42
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	4	1.42
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	4	1.42
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	4	1.42
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	10	1.42
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	10	1.42
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	10	1.42
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	10	1.42
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	10	1.42
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	10	1.42
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	10	1.42
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	10	1.42
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	10	1.42
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	8	1.42
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	8	1.42
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	8	1.42
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD21	11	1.42
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD22	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:37:A:LEU:HB2	1:41:A:LEU:HD23	11	1.42
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	7	1.42
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	7	1.42
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	7	1.42
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	4	1.42
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	4	1.42
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	4	1.42
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	17	1.42
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	17	1.42
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	17	1.42
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	4	1.42
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	18	1.42
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	18	1.42
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	18	1.42
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	16	1.42
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	16	1.42
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	16	1.42
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	2	1.42
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	6	1.42
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	6	1.42
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	6	1.42
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD21	11	1.42
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD22	11	1.42
(1,775)	1:35:A:GLU:H	1:37:A:LEU:HD23	11	1.42
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	10	1.41
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	10	1.41
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	10	1.41
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	18	1.41
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	18	1.41
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	18	1.41
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	6	1.41
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	6	1.41
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	6	1.41
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	11	1.41
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	11	1.41
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	11	1.41
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	11	1.41
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	11	1.41
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	11	1.41
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	11	1.41
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	11	1.41
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	11	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	14	1.41
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	14	1.41
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	14	1.41
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	5	1.41
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	5	1.41
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	5	1.41
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	13	1.41
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	13	1.41
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	13	1.41
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	12	1.4
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	12	1.4
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	12	1.4
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	12	1.4
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	13	1.4
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	13	1.4
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	13	1.4
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	13	1.4
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	16	1.4
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	16	1.4
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	16	1.4
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	6	1.4
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	6	1.4
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	6	1.4
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	9	1.4
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	9	1.4
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	9	1.4
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	1	1.4
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	1	1.4
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	1	1.4
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	11	1.39
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	11	1.39
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	20	1.39
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	20	1.39
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	20	1.39
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	20	1.39
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	20	1.39
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	20	1.39
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	11	1.39
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	11	1.39
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	2	1.39
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	2	1.39
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	2	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	5	1.39
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	5	1.39
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	5	1.39
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	9	1.39
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	9	1.39
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	9	1.39
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	7	1.39
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	7	1.39
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	7	1.39
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	10	1.39
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	10	1.39
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	10	1.39
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	16	1.39
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	16	1.39
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	16	1.39
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	7	1.39
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	7	1.39
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	7	1.39
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	10	1.39
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	10	1.39
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	10	1.39
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	11	1.39
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	11	1.39
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	11	1.39
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	14	1.38
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	14	1.38
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	14	1.38
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	14	1.38
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	14	1.38
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	14	1.38
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	11	1.38
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	11	1.38
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	11	1.38
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	6	1.38
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	6	1.38
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	6	1.38
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	6	1.38
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	6	1.38
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	6	1.38
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	6	1.38
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	6	1.38
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	6	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	15	1.38
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	15	1.38
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	15	1.38
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	4	1.38
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	4	1.38
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	4	1.38
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	19	1.38
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	19	1.38
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	19	1.38
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	4	1.37
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	4	1.37
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	4	1.37
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	4	1.37
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	18	1.37
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	18	1.37
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	18	1.37
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	18	1.37
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	8	1.37
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	8	1.37
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	8	1.37
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	17	1.37
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	17	1.37
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	17	1.37
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	10	1.37
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	10	1.37
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	10	1.37
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	10	1.37
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	10	1.37
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	10	1.37
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	10	1.37
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	10	1.37
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	10	1.37
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	13	1.37
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	13	1.37
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	13	1.37
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	16	1.37
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	16	1.37
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	16	1.37
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	18	1.37
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	18	1.37
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	18	1.37
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	10	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	10	1.37
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	10	1.37
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	2	1.37
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	2	1.37
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	2	1.37
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	5	1.37
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	5	1.37
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	5	1.37
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	20	1.37
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	20	1.37
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	20	1.37
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	18	1.37
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	4	1.36
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	4	1.36
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	4	1.36
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	4	1.36
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	1	1.36
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	1	1.36
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	1	1.36
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	1	1.36
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	8	1.36
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	8	1.36
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	8	1.36
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	8	1.36
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	8	1.36
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	16	1.36
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	11	1.36
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	11	1.36
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	11	1.36
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	3	1.35
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	3	1.35
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	7	1.35
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	7	1.35
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	7	1.35
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	7	1.35
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	7	1.35
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	7	1.35
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	3	1.35
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	3	1.35
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	12	1.35
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	12	1.35
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	12	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	5	1.35
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	5	1.35
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	5	1.35
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	8	1.35
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	8	1.35
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	8	1.35
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	18	1.35
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	16	1.35
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	9	1.35
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	9	1.35
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	9	1.35
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	4	1.35
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	4	1.35
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	4	1.35
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	12	1.35
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	12	1.35
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	12	1.35
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	19	1.34
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	19	1.34
(1,3181)	1:76:A:VAL:HG11	1:72:B:GLN:HE21	16	1.34
(1,3181)	1:76:A:VAL:HG12	1:72:B:GLN:HE21	16	1.34
(1,3181)	1:76:A:VAL:HG13	1:72:B:GLN:HE21	16	1.34
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG11	16	1.34
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG12	16	1.34
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG13	16	1.34
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	19	1.34
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	19	1.34
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	5	1.34
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	5	1.34
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	5	1.34
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	4	1.34
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	4	1.34
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	4	1.34
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	6	1.34
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	6	1.34
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	6	1.34
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	5	1.34
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	12	1.34
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	18	1.33
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	18	1.33
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	18	1.33
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	18	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	15	1.33
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	15	1.33
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	15	1.33
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	10	1.33
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	6	1.33
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	6	1.33
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	6	1.33
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	7	1.33
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	7	1.33
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	7	1.33
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	8	1.33
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	8	1.33
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	8	1.33
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	9	1.33
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	9	1.33
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	9	1.33
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	18	1.33
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	14	1.33
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	14	1.33
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	14	1.33
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	17	1.33
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	17	1.33
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	17	1.33
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	10	1.32
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	10	1.32
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	10	1.32
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	10	1.32
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	10	1.32
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	1	1.32
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	16	1.32
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	11	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	3	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	3	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	3	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	9	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	9	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	9	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	14	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	14	1.32
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	14	1.32
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	3	1.32
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	3	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	3	1.32
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	12	1.32
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	12	1.32
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	12	1.32
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	8	1.32
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	8	1.32
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	8	1.32
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	20	1.32
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	20	1.32
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	20	1.32
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	9	1.32
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	10	1.31
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	10	1.31
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	10	1.31
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	10	1.31
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	10	1.31
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	10	1.31
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	2	1.31
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	2	1.31
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	2	1.31
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	2	1.31
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	2	1.31
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	2	1.31
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	3	1.31
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	3	1.31
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	3	1.31
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	4	1.31
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	4	1.31
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	4	1.31
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	19	1.31
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	19	1.31
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	19	1.31
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	15	1.31
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	15	1.31
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	15	1.31
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	3	1.31
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	3	1.31
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	3	1.31
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	12	1.31
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	9	1.31
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	19	1.31
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	3	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	3	1.3
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	3	1.3
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	3	1.3
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	3	1.3
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	3	1.3
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	12	1.3
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	12	1.3
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	12	1.3
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	12	1.3
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	14	1.3
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	14	1.3
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	14	1.3
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	17	1.3
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	17	1.3
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	17	1.3
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	15	1.3
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	15	1.3
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	15	1.3
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	17	1.3
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	17	1.3
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	17	1.3
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	7	1.3
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	7	1.3
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	7	1.3
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	2	1.3
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	2	1.3
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	2	1.3
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	11	1.3
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	11	1.3
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	11	1.3
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	1	1.3
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	1	1.3
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	1	1.3
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	14	1.3
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	14	1.3
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	14	1.3
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	2	1.3
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	9	1.3
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	19	1.3
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	6	1.3
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	8	1.29
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	8	1.29
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	8	1.29
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	8	1.29
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	8	1.29
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	2	1.29
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	2	1.29
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	2	1.29
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	10	1.29
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	9	1.29
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	9	1.29
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	9	1.29
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	5	1.29
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	5	1.29
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	5	1.29
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	9	1.29
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	9	1.29
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	9	1.29
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	2	1.29
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	2	1.29
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	2	1.29
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	2	1.29
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	2	1.29
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	2	1.29
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	13	1.29
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	1	1.29
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	1	1.29
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	1	1.29
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	20	1.29
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	20	1.29
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	20	1.29
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	13	1.29
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	13	1.29
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	13	1.29
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	13	1.29
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	1	1.29
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	3	1.29
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	8	1.29
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	11	1.29
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	18	1.29
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	20	1.29
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	7	1.29
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	10	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	13	1.29
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	7	1.29
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	7	1.29
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	7	1.29
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	3	1.29
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	3	1.29
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	3	1.29
(1,3183)	1:76:B:VAL:HG11	1:72:A:GLN:HE21	8	1.28
(1,3183)	1:76:B:VAL:HG12	1:72:A:GLN:HE21	8	1.28
(1,3183)	1:76:B:VAL:HG13	1:72:A:GLN:HE21	8	1.28
(1,3177)	1:76:A:VAL:HG11	1:72:B:GLN:HG3	14	1.28
(1,3177)	1:76:A:VAL:HG12	1:72:B:GLN:HG3	14	1.28
(1,3177)	1:76:A:VAL:HG13	1:72:B:GLN:HG3	14	1.28
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG11	8	1.28
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG12	8	1.28
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG13	8	1.28
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG11	14	1.28
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG12	14	1.28
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG13	14	1.28
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	6	1.28
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	6	1.28
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	6	1.28
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	6	1.28
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	14	1.28
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	14	1.28
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	14	1.28
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	13	1.28
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	13	1.28
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	13	1.28
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	11	1.28
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	9	1.28
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	9	1.28
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	9	1.28
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	9	1.28
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	9	1.28
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	9	1.28
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	13	1.28
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	13	1.28
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	13	1.28
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	19	1.28
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	19	1.28
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	19	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	6	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	6	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	6	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	14	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	14	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	14	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	16	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	16	1.28
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	16	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	1	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	1	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	1	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	9	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	9	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	9	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	15	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	15	1.28
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	15	1.28
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	8	1.28
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	8	1.28
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	8	1.28
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	13	1.28
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	13	1.28
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	13	1.28
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	6	1.28
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	7	1.28
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	13	1.28
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	17	1.28
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	3	1.28
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	4	1.28
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	5	1.28
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	17	1.28
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	17	1.28
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	17	1.28
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	9	1.27
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	9	1.27
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	9	1.27
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	9	1.27
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	9	1.27
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	9	1.27
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	1	1.27
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	1	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	1	1.27
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	1	1.27
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	4	1.27
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	4	1.27
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	4	1.27
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	20	1.27
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	20	1.27
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	20	1.27
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	1	1.27
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	1	1.27
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	1	1.27
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	12	1.27
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	12	1.27
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	12	1.27
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	10	1.27
(1,1943)	1:42:A:SER:HB2	1:45:A:LEU:HB3	2	1.27
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	20	1.27
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	20	1.27
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	20	1.27
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	14	1.27
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	14	1.27
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	14	1.27
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	5	1.27
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	5	1.27
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	5	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	4	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	4	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	4	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	16	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	16	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	16	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	18	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	18	1.27
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	18	1.27
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	10	1.27
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	11	1.27
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	18	1.27
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	7	1.26
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	7	1.26
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	1	1.26
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	1	1.26
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	17	1.26
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	17	1.26
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	17	1.26
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	17	1.26
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	17	1.26
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	17	1.26
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	1	1.26
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	1	1.26
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	1	1.26
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	7	1.26
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	7	1.26
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD21	7	1.26
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD22	7	1.26
(1,2323)	1:38:A:GLN:HA	1:45:A:LEU:HD23	7	1.26
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	17	1.26
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	19	1.26
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	17	1.26
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	20	1.26
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	11	1.26
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	11	1.26
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	11	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	3	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	3	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	3	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	4	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	4	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	4	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	13	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	13	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	13	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	16	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	16	1.26
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	16	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	2	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	2	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	2	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	9	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	9	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	9	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	10	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	10	1.26
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	10	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	5	1.26
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	16	1.26
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	2	1.26
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	17	1.26
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	20	1.26
(1,3179)	1:76:B:VAL:HG11	1:72:A:GLN:HG3	17	1.25
(1,3179)	1:76:B:VAL:HG12	1:72:A:GLN:HG3	17	1.25
(1,3179)	1:76:B:VAL:HG13	1:72:A:GLN:HG3	17	1.25
(1,3177)	1:76:A:VAL:HG11	1:72:B:GLN:HG3	3	1.25
(1,3177)	1:76:A:VAL:HG12	1:72:B:GLN:HG3	3	1.25
(1,3177)	1:76:A:VAL:HG13	1:72:B:GLN:HG3	3	1.25
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG11	3	1.25
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG12	3	1.25
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG13	3	1.25
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG11	17	1.25
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG12	17	1.25
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG13	17	1.25
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	2	1.25
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	2	1.25
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	2	1.25
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	2	1.25
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	2	1.25
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	2	1.25
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	8	1.25
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	16	1.25
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	12	1.25
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	12	1.25
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	12	1.25
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	12	1.25
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	12	1.25
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	12	1.25
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	6	1.25
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	6	1.25
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	6	1.25
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	5	1.25
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	5	1.25
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	5	1.25
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	16	1.25
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	16	1.25
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	16	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	5	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	5	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	10	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	10	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	10	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	20	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	20	1.25
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	20	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	7	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	7	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	7	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	15	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	15	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	15	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	17	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	17	1.25
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	17	1.25
(1,3179)	1:76:B:VAL:HG11	1:72:A:GLN:HG3	8	1.24
(1,3179)	1:76:B:VAL:HG12	1:72:A:GLN:HG3	8	1.24
(1,3179)	1:76:B:VAL:HG13	1:72:A:GLN:HG3	8	1.24
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG11	8	1.24
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG12	8	1.24
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG13	8	1.24
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	20	1.24
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	20	1.24
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	20	1.24
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE1	5	1.24
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE2	5	1.24
(1,2321)	1:57:A:VAL:HG11	1:58:A:MET:HE3	5	1.24
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE1	5	1.24
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE2	5	1.24
(1,2321)	1:57:A:VAL:HG12	1:58:A:MET:HE3	5	1.24
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE1	5	1.24
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE2	5	1.24
(1,2321)	1:57:A:VAL:HG13	1:58:A:MET:HE3	5	1.24
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	2	1.24
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	15	1.24
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	15	1.24
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	15	1.24
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	12	1.24
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	12	1.24
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	12	1.24
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	12	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	12	1.24
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	12	1.24
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	8	1.24
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	8	1.24
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	8	1.24
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	7	1.24
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	7	1.24
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	7	1.24
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	19	1.24
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	19	1.24
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	19	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	6	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	6	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	6	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	11	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	11	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	11	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	20	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	20	1.24
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	20	1.24
(1,67)	1:61:A:LEU:H	1:63:A:GLU:HG2	11	1.24
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	9	1.23
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	9	1.23
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	15	1.23
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	15	1.23
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	15	1.23
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	15	1.23
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	15	1.23
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	15	1.23
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	9	1.23
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	9	1.23
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	11	1.23
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	11	1.23
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	11	1.23
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	11	1.23
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	11	1.23
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	11	1.23
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	12	1.23
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	12	1.23
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	12	1.23
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	8	1.23
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	14	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	15	1.23
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	18	1.23
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	18	1.23
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	18	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	7	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	7	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	7	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	13	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	13	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	13	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	18	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	18	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	18	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	19	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	19	1.23
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	19	1.23
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	19	1.23
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	19	1.23
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	19	1.23
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	12	1.23
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	12	1.23
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	12	1.23
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	5	1.23
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	5	1.23
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	5	1.23
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	19	1.23
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	19	1.23
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	19	1.23
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	1	1.23
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	15	1.23
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	16	1.23
(1,3181)	1:76:A:VAL:HG11	1:72:B:GLN:HE21	3	1.22
(1,3181)	1:76:A:VAL:HG12	1:72:B:GLN:HE21	3	1.22
(1,3181)	1:76:A:VAL:HG13	1:72:B:GLN:HE21	3	1.22
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG11	3	1.22
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG12	3	1.22
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG13	3	1.22
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	16	1.22
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	16	1.22
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	16	1.22
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	1	1.22
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	1	1.22
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	15	1.22
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	19	1.22
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	19	1.22
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	19	1.22
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	5	1.22
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	5	1.22
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	5	1.22
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	1	1.22
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	1	1.22
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	1	1.22
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	16	1.22
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	16	1.22
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	16	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	8	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	8	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	8	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	14	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	14	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	14	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	18	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	18	1.22
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	18	1.22
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD21	12	1.22
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD22	12	1.22
(1,1649)	1:36:A:LEU:H	1:37:A:LEU:HD23	12	1.22
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	4	1.22
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	12	1.22
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	12	1.22
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	12	1.22
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	6	1.22
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	12	1.21
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	12	1.21
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	12	1.21
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	16	1.21
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	16	1.21
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	16	1.21
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	12	1.21
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	12	1.21
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	12	1.21
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	16	1.21
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	16	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	16	1.21
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	19	1.21
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	19	1.21
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	19	1.21
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	16	1.21
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	16	1.21
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	16	1.21
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	12	1.21
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	17	1.21
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	17	1.21
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	17	1.21
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	6	1.21
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	5	1.21
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	7	1.21
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	8	1.21
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	3	1.21
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	8	1.21
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	2	1.21
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	2	1.21
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	2	1.21
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	6	1.21
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	6	1.21
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	6	1.21
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD21	17	1.21
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD22	17	1.21
(1,1650)	1:36:B:LEU:H	1:37:B:LEU:HD23	17	1.21
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	12	1.21
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	16	1.21
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	20	1.21
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	8	1.21
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	8	1.21
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	8	1.21
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	14	1.21
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	14	1.21
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	14	1.21
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	13	1.21
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	9	1.2
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	9	1.2
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	9	1.2
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	9	1.2
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	9	1.2
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	9	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	9	1.2
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	9	1.2
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	9	1.2
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	9	1.2
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	9	1.2
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	9	1.2
(1,2723)	1:76:A:VAL:HG11	1:80:A:ALA:HA	16	1.2
(1,2723)	1:76:A:VAL:HG12	1:80:A:ALA:HA	16	1.2
(1,2723)	1:76:A:VAL:HG13	1:80:A:ALA:HA	16	1.2
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	18	1.2
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	18	1.2
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	18	1.2
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	2	1.2
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	2	1.2
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	2	1.2
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	2	1.2
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	2	1.2
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	2	1.2
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	2	1.2
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	2	1.2
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	2	1.2
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	2	1.2
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	8	1.2
(1,1944)	1:42:B:SER:HB2	1:45:B:LEU:HB3	11	1.2
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	4	1.2
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	4	1.2
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	4	1.2
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	4	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	11	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	11	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	11	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	12	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	12	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	12	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	13	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	13	1.2
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	13	1.2
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	11	1.2
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	11	1.2
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	11	1.2
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	2	1.2
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	2	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	2	1.2
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	3	1.2
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	3	1.2
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	3	1.2
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	10	1.2
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	10	1.2
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	10	1.2
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	14	1.19
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	14	1.19
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	18	1.19
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	18	1.19
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	18	1.19
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	14	1.19
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	14	1.19
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	14	1.19
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	4	1.19
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	4	1.19
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	4	1.19
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	18	1.19
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	18	1.19
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	18	1.19
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	4	1.19
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	4	1.19
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	4	1.19
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	14	1.19
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	14	1.19
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	14	1.19
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	14	1.19
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	14	1.19
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	7	1.19
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	7	1.19
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	7	1.19
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	17	1.19
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	17	1.19
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	17	1.19
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	7	1.19
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	7	1.19
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	7	1.19
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	17	1.19
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	17	1.19
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	17	1.19
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	20	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	20	1.19
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	20	1.19
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	20	1.19
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	3	1.19
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	3	1.19
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	3	1.19
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	18	1.19
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	15	1.19
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	8	1.19
(1,757)	1:53:A:ALA:H	1:54:A:VAL:HB	14	1.19
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	16	1.19
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	5	1.18
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	5	1.18
(1,3179)	1:76:B:VAL:HG11	1:72:A:GLN:HG3	4	1.18
(1,3179)	1:76:B:VAL:HG12	1:72:A:GLN:HG3	4	1.18
(1,3179)	1:76:B:VAL:HG13	1:72:A:GLN:HG3	4	1.18
(1,3179)	1:76:B:VAL:HG11	1:72:A:GLN:HG3	13	1.18
(1,3179)	1:76:B:VAL:HG12	1:72:A:GLN:HG3	13	1.18
(1,3179)	1:76:B:VAL:HG13	1:72:A:GLN:HG3	13	1.18
(1,3177)	1:76:A:VAL:HG11	1:72:B:GLN:HG3	15	1.18
(1,3177)	1:76:A:VAL:HG12	1:72:B:GLN:HG3	15	1.18
(1,3177)	1:76:A:VAL:HG13	1:72:B:GLN:HG3	15	1.18
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG11	15	1.18
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG12	15	1.18
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG13	15	1.18
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG11	4	1.18
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG12	4	1.18
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG13	4	1.18
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG11	13	1.18
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG12	13	1.18
(1,3161)	1:72:A:GLN:HG3	1:76:B:VAL:HG13	13	1.18
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	5	1.18
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	5	1.18
(1,2725)	1:76:B:VAL:HG11	1:80:B:ALA:HA	8	1.18
(1,2725)	1:76:B:VAL:HG12	1:80:B:ALA:HA	8	1.18
(1,2725)	1:76:B:VAL:HG13	1:80:B:ALA:HA	8	1.18
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	8	1.18
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	8	1.18
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	8	1.18
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	8	1.18
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	7	1.18
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	19	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	19	1.18
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	19	1.18
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	7	1.18
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	7	1.18
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	7	1.18
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	16	1.18
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	16	1.18
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	16	1.18
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	9	1.18
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	9	1.18
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	9	1.18
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	7	1.18
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	7	1.18
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	7	1.18
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	7	1.18
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	7	1.17
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	7	1.17
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	7	1.17
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	7	1.17
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	7	1.17
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	7	1.17
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	3	1.17
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	3	1.17
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	3	1.17
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	11	1.17
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	3	1.17
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	3	1.17
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	3	1.17
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	8	1.17
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	8	1.17
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	8	1.17
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	19	1.17
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	19	1.17
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	19	1.17
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	17	1.17
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	14	1.17
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	14	1.17
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	14	1.17
(1,758)	1:53:B:ALA:H	1:54:B:VAL:HB	14	1.17
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	12	1.17
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	12	1.17
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	12	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	4	1.17
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	4	1.17
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	4	1.17
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	18	1.17
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	18	1.17
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	18	1.17
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	6	1.17
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	13	1.17
(1,3177)	1:76:A:VAL:HG11	1:72:B:GLN:HG3	10	1.16
(1,3177)	1:76:A:VAL:HG12	1:72:B:GLN:HG3	10	1.16
(1,3177)	1:76:A:VAL:HG13	1:72:B:GLN:HG3	10	1.16
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG11	10	1.16
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG12	10	1.16
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG13	10	1.16
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	10	1.16
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	10	1.16
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	10	1.16
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	10	1.16
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	10	1.16
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	10	1.16
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	17	1.16
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	17	1.16
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	17	1.16
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	2	1.16
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	14	1.16
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	14	1.16
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	14	1.16
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	6	1.16
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	6	1.16
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	6	1.16
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD21	6	1.16
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD22	6	1.16
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD23	6	1.16
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	15	1.16
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	15	1.16
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	15	1.16
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	6	1.16
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	7	1.16
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	2	1.16
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	2	1.16
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	2	1.16
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	5	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	5	1.16
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	5	1.16
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	10	1.16
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	8	1.15
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	8	1.15
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	2	1.15
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	2	1.15
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	2	1.15
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	20	1.15
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	20	1.15
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	20	1.15
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	2	1.15
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	2	1.15
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	2	1.15
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	20	1.15
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	20	1.15
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	20	1.15
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	8	1.15
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	8	1.15
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	19	1.15
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	19	1.15
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	19	1.15
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	5	1.15
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	5	1.15
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	5	1.15
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	14	1.15
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	14	1.15
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	14	1.15
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	5	1.15
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	5	1.15
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	5	1.15
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	14	1.15
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	14	1.15
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	14	1.15
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	19	1.15
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	19	1.15
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	19	1.15
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	16	1.15
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	16	1.15
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	16	1.15
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG21	17	1.15
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG22	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG23	17	1.15
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	6	1.15
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	6	1.15
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	6	1.15
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	14	1.15
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	13	1.15
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	13	1.15
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	13	1.15
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	15	1.15
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	19	1.15
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	6	1.15
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	6	1.15
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	6	1.15
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	13	1.15
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	13	1.15
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	13	1.15
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	17	1.15
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	17	1.15
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	17	1.15
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	2	1.15
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD21	16	1.15
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD22	16	1.15
(1,1790)	1:44:B:PHE:HB3	1:45:B:LEU:HD23	16	1.15
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	14	1.15
(1,3177)	1:76:A:VAL:HG11	1:72:B:GLN:HG3	20	1.14
(1,3177)	1:76:A:VAL:HG12	1:72:B:GLN:HG3	20	1.14
(1,3177)	1:76:A:VAL:HG13	1:72:B:GLN:HG3	20	1.14
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG11	20	1.14
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG12	20	1.14
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG13	20	1.14
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	8	1.14
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	8	1.14
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	8	1.14
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	8	1.14
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	8	1.14
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	8	1.14
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	8	1.14
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	8	1.14
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	8	1.14
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	10	1.14
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	10	1.14
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	16	1.14
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	16	1.14
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	16	1.14
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD21	18	1.14
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD22	18	1.14
(1,2140)	1:34:B:LYS:HA	1:37:B:LEU:HD23	18	1.14
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	8	1.14
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	8	1.14
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	8	1.14
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	11	1.14
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	11	1.14
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	11	1.14
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	12	1.14
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	12	1.14
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	12	1.14
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	9	1.14
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD21	11	1.14
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD22	11	1.14
(1,1789)	1:44:A:PHE:HB3	1:45:A:LEU:HD23	11	1.14
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	1	1.14
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	1	1.14
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	1	1.14
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	17	1.14
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	12	1.14
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	12	1.14
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	12	1.14
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	6	1.13
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	6	1.13
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	6	1.13
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	6	1.13
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	15	1.13
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	15	1.13
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	15	1.13
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	15	1.13
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	15	1.13
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	15	1.13
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	12	1.13
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	12	1.13
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	12	1.13
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	1	1.13
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	1	1.13
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	1	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	15	1.13
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	15	1.13
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	15	1.13
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	20	1.13
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	20	1.13
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	20	1.13
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	16	1.13
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	16	1.13
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	16	1.13
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	8	1.13
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	8	1.13
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	8	1.13
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	19	1.13
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	19	1.13
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	19	1.13
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	11	1.13
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	11	1.13
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	11	1.13
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	11	1.13
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	11	1.13
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	11	1.13
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	8	1.13
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	15	1.13
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	7	1.12
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	7	1.12
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	7	1.12
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	7	1.12
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	7	1.12
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	7	1.12
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	3	1.12
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	3	1.12
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	3	1.12
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	3	1.12
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	3	1.12
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	3	1.12
(1,2725)	1:76:B:VAL:HG11	1:80:B:ALA:HA	4	1.12
(1,2725)	1:76:B:VAL:HG12	1:80:B:ALA:HA	4	1.12
(1,2725)	1:76:B:VAL:HG13	1:80:B:ALA:HA	4	1.12
(1,2723)	1:76:A:VAL:HG11	1:80:A:ALA:HA	3	1.12
(1,2723)	1:76:A:VAL:HG12	1:80:A:ALA:HA	3	1.12
(1,2723)	1:76:A:VAL:HG13	1:80:A:ALA:HA	3	1.12
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	10	1.12
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	10	1.12
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	7	1.12
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	7	1.12
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	7	1.12
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG21	16	1.12
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG22	16	1.12
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG23	16	1.12
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	5	1.12
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	9	1.12
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	9	1.12
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	9	1.12
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	18	1.12
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	18	1.12
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	18	1.12
(1,2065)	1:3:A:GLU:HG2	1:4:A:LEU:HB3	2	1.12
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	20	1.12
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	20	1.12
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	20	1.12
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	11	1.12
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	8	1.12
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	8	1.12
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	8	1.12
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	3	1.12
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	1	1.12
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	1	1.12
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	1	1.12
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	19	1.12
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	18	1.11
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	18	1.11
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	18	1.11
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	18	1.11
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	8	1.11
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	8	1.11
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	8	1.11
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	13	1.11
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	13	1.11
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	13	1.11
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	8	1.11
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	8	1.11
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	8	1.11
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	13	1.11
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	13	1.11
(1,2725)	1:76:B:VAL:HG11	1:80:B:ALA:HA	17	1.11
(1,2725)	1:76:B:VAL:HG12	1:80:B:ALA:HA	17	1.11
(1,2725)	1:76:B:VAL:HG13	1:80:B:ALA:HA	17	1.11
(1,2723)	1:76:A:VAL:HG11	1:80:A:ALA:HA	10	1.11
(1,2723)	1:76:A:VAL:HG12	1:80:A:ALA:HA	10	1.11
(1,2723)	1:76:A:VAL:HG13	1:80:A:ALA:HA	10	1.11
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	6	1.11
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	6	1.11
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	6	1.11
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	9	1.11
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	9	1.11
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	9	1.11
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	19	1.11
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	19	1.11
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	19	1.11
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	12	1.11
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	12	1.11
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	12	1.11
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	2	1.11
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	2	1.11
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	2	1.11
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	9	1.11
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	9	1.11
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	9	1.11
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	20	1.11
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	6	1.11
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	6	1.11
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	6	1.11
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	12	1.11
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	17	1.11
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	17	1.11
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	17	1.11
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	11	1.11
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	19	1.11
(1,3185)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	16	1.1
(1,3185)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	16	1.1
(1,3185)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	16	1.1
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG11	16	1.1
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG12	16	1.1
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG13	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	1	1.1
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	1	1.1
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	1	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	3	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	3	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	3	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	4	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	4	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	4	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	18	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	18	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	18	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	19	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	19	1.1
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	19	1.1
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	3	1.1
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	3	1.1
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	3	1.1
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	4	1.1
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	4	1.1
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	4	1.1
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	18	1.1
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	18	1.1
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	18	1.1
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	19	1.1
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	19	1.1
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	19	1.1
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	1	1.1
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	1	1.1
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	1	1.1
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	3	1.1
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	3	1.1
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	3	1.1
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG21	13	1.1
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG22	13	1.1
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG23	13	1.1
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	11	1.1
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	11	1.1
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	11	1.1
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	16	1.1
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	16	1.1
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG21	1	1.1
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG22	1	1.1
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG23	1	1.1
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG21	16	1.1
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG22	16	1.1
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG23	16	1.1
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	9	1.1
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	9	1.1
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	9	1.1
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	15	1.1
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	15	1.1
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	15	1.1
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	15	1.1
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	15	1.1
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	15	1.1
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	15	1.1
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	15	1.1
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	15	1.1
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	11	1.1
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	11	1.1
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	11	1.1
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	5	1.1
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	4	1.1
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	4	1.1
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	4	1.1
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	19	1.1
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	19	1.1
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	19	1.1
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	8	1.1
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	8	1.1
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	8	1.1
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	13	1.1
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	13	1.1
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	13	1.1
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	5	1.1
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD21	18	1.1
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD22	18	1.1
(1,1900)	1:34:B:LYS:HG3	1:37:B:LEU:HD23	18	1.1
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	2	1.1
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	2	1.1
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	2	1.1
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	10	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	10	1.1
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	10	1.1
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	6	1.1
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	6	1.1
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	6	1.1
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	9	1.1
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	3	1.1
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	18	1.1
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	18	1.1
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	18	1.1
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	17	1.09
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	17	1.09
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	17	1.09
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	17	1.09
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	17	1.09
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	17	1.09
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	12	1.09
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	12	1.09
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	12	1.09
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	12	1.09
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	12	1.09
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	12	1.09
(1,2723)	1:76:A:VAL:HG11	1:80:A:ALA:HA	14	1.09
(1,2723)	1:76:A:VAL:HG12	1:80:A:ALA:HA	14	1.09
(1,2723)	1:76:A:VAL:HG13	1:80:A:ALA:HA	14	1.09
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	4	1.09
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	4	1.09
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	4	1.09
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	4	1.09
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	4	1.09
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	4	1.09
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	18	1.09
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	18	1.09
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	18	1.09
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	3	1.09
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	3	1.09
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	3	1.09
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	20	1.09
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	7	1.09
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	7	1.09
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	7	1.09
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	7	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	7	1.09
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	7	1.09
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	9	1.09
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	9	1.09
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	9	1.09
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	1	1.09
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	1	1.09
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	1	1.09
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	4	1.09
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	4	1.09
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	4	1.09
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	2	1.09
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	2	1.09
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	2	1.09
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	7	1.09
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	7	1.09
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	7	1.09
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	4	1.09
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	4	1.09
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	4	1.09
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	19	1.09
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	17	1.08
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	17	1.08
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	12	1.08
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	12	1.08
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	12	1.08
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	7	1.08
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	7	1.08
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	7	1.08
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	7	1.08
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	7	1.08
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	7	1.08
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	12	1.08
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	12	1.08
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	12	1.08
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	17	1.08
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	17	1.08
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	5	1.08
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	5	1.08
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	5	1.08
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	5	1.08
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	5	1.08
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	1	1.08
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	1	1.08
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	1	1.08
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	14	1.08
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	14	1.08
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	14	1.08
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	20	1.08
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	20	1.08
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	20	1.08
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG21	8	1.08
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG22	8	1.08
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG23	8	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	5	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	5	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	5	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	14	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	14	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	14	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	15	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	15	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	15	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	19	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	19	1.08
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	19	1.08
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG21	10	1.08
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG22	10	1.08
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG23	10	1.08
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	2	1.08
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	2	1.08
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	2	1.08
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	10	1.08
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	10	1.08
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	10	1.08
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	13	1.08
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	13	1.08
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	13	1.08
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	16	1.08
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	16	1.08
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	16	1.08
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	10	1.08
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	10	1.08
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	7	1.08
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	12	1.08
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	15	1.08
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	6	1.08
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	6	1.08
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	6	1.08
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	9	1.08
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	9	1.08
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	9	1.08
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	9	1.08
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	3	1.07
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	3	1.07
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	3	1.07
(1,3181)	1:76:A:VAL:HG11	1:72:B:GLN:HE21	14	1.07
(1,3181)	1:76:A:VAL:HG12	1:72:B:GLN:HE21	14	1.07
(1,3181)	1:76:A:VAL:HG13	1:72:B:GLN:HE21	14	1.07
(1,3177)	1:76:A:VAL:HG11	1:72:B:GLN:HG3	1	1.07
(1,3177)	1:76:A:VAL:HG12	1:72:B:GLN:HG3	1	1.07
(1,3177)	1:76:A:VAL:HG13	1:72:B:GLN:HG3	1	1.07
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG11	14	1.07
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG12	14	1.07
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG13	14	1.07
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	3	1.07
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	3	1.07
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	3	1.07
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG11	1	1.07
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG12	1	1.07
(1,3163)	1:72:B:GLN:HG3	1:76:A:VAL:HG13	1	1.07
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	20	1.07
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	20	1.07
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	20	1.07
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	20	1.07
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	20	1.07
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	20	1.07
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	15	1.07
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	15	1.07
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	15	1.07
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG21	4	1.07
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG22	4	1.07
(1,2702)	1:75:B:VAL:H	1:76:B:VAL:HG23	4	1.07
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	9	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	9	1.07
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	9	1.07
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	20	1.07
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	20	1.07
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	20	1.07
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG21	3	1.07
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG22	3	1.07
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG23	3	1.07
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG21	14	1.07
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG22	14	1.07
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG23	14	1.07
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	3	1.07
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	3	1.07
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	3	1.07
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	4	1.07
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	4	1.07
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	4	1.07
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	5	1.07
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	5	1.07
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	5	1.07
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	14	1.07
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	14	1.07
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	14	1.07
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	1	1.07
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	1	1.07
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	1	1.07
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	16	1.07
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	16	1.07
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	16	1.07
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	20	1.07
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	20	1.07
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	20	1.07
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	14	1.07
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD21	11	1.07
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD22	11	1.07
(1,1917)	1:34:A:LYS:HG2	1:37:A:LEU:HD23	11	1.07
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	9	1.07
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	9	1.07
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	9	1.07
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	6	1.07
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	13	1.07
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	13	1.07
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	11	1.07
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	12	1.06
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	12	1.06
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	12	1.06
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	12	1.06
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	12	1.06
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	12	1.06
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	1	1.06
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	1	1.06
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	1	1.06
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	1	1.06
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	1	1.06
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	1	1.06
(1,2723)	1:76:A:VAL:HG11	1:80:A:ALA:HA	1	1.06
(1,2723)	1:76:A:VAL:HG12	1:80:A:ALA:HA	1	1.06
(1,2723)	1:76:A:VAL:HG13	1:80:A:ALA:HA	1	1.06
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	3	1.06
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	3	1.06
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	3	1.06
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG21	20	1.06
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG22	20	1.06
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG23	20	1.06
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	14	1.06
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	14	1.06
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	14	1.06
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	9	1.06
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	9	1.06
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	9	1.06
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	9	1.06
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	9	1.06
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	9	1.06
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	9	1.06
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	9	1.06
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	9	1.06
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	5	1.06
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	5	1.06
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	5	1.06
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	4	1.06
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	4	1.06
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	4	1.06
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	16	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	4	1.06
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	4	1.06
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	4	1.06
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	5	1.06
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	5	1.06
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	5	1.06
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	6	1.06
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	6	1.06
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	6	1.06
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	18	1.06
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	18	1.06
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	18	1.06
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	7	1.06
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	7	1.06
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	7	1.06
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	4	1.06
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	4	1.06
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	4	1.06
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	6	1.06
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	6	1.06
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	6	1.06
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	3	1.06
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	1	1.06
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	7	1.06
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	7	1.06
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	7	1.06
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	10	1.05
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	10	1.05
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	10	1.05
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	10	1.05
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	10	1.05
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	10	1.05
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	15	1.05
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	15	1.05
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	15	1.05
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	15	1.05
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	15	1.05
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	15	1.05
(1,2723)	1:76:A:VAL:HG11	1:80:A:ALA:HA	15	1.05
(1,2723)	1:76:A:VAL:HG12	1:80:A:ALA:HA	15	1.05
(1,2723)	1:76:A:VAL:HG13	1:80:A:ALA:HA	15	1.05
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG21	15	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG22	15	1.05
(1,2700)	1:75:A:VAL:H	1:76:A:VAL:HG23	15	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	2	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	2	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	2	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	8	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	8	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	8	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	11	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	11	1.05
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	11	1.05
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	2	1.05
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	2	1.05
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	2	1.05
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	2	1.05
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	2	1.05
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	2	1.05
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	2	1.05
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	2	1.05
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	2	1.05
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	20	1.05
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	20	1.05
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	20	1.05
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	3	1.05
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	9	1.05
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	3	1.05
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	3	1.05
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	3	1.05
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	6	1.05
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	6	1.05
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	6	1.05
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	17	1.05
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	17	1.05
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	17	1.05
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	2	1.05
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	2	1.05
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	2	1.05
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	9	1.05
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	9	1.05
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	9	1.05
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	19	1.05
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	19	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	19	1.05
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	1	1.05
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	1	1.05
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	1	1.05
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	11	1.05
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	11	1.05
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	11	1.05
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	19	1.05
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	19	1.05
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	19	1.05
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD21	6	1.05
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD22	6	1.05
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD23	6	1.05
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD21	12	1.05
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD22	12	1.05
(1,1827)	1:37:A:LEU:HA	1:41:A:LEU:HD23	12	1.05
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	4	1.05
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	8	1.05
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	8	1.05
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	8	1.05
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	16	1.05
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	16	1.05
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	16	1.05
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	20	1.05
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	20	1.05
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	20	1.05
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	14	1.04
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	14	1.04
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	14	1.04
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	14	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	12	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	12	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	12	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	18	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	18	1.04
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	18	1.04
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	7	1.04
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	7	1.04
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	7	1.04
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	7	1.04
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	7	1.04
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	12	1.04
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	12	1.04
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	12	1.04
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	18	1.04
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	18	1.04
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	18	1.04
(1,2723)	1:76:A:VAL:HG11	1:80:A:ALA:HA	20	1.04
(1,2723)	1:76:A:VAL:HG12	1:80:A:ALA:HA	20	1.04
(1,2723)	1:76:A:VAL:HG13	1:80:A:ALA:HA	20	1.04
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	13	1.04
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	13	1.04
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	13	1.04
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	5	1.04
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	5	1.04
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	5	1.04
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG21	17	1.04
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG22	17	1.04
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG23	17	1.04
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG21	14	1.04
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG22	14	1.04
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG23	14	1.04
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	7	1.04
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	7	1.04
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	7	1.04
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	7	1.04
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	7	1.04
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	7	1.04
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	7	1.04
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	7	1.04
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	7	1.04
(1,2240)	1:3:B:GLU:HG3	1:4:B:LEU:HA	1	1.04
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	18	1.04
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	18	1.04
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	18	1.04
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	5	1.04
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	5	1.04
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	5	1.04
(1,2108)	1:37:B:LEU:HD21	1:38:B:GLN:HG2	17	1.04
(1,2108)	1:37:B:LEU:HD22	1:38:B:GLN:HG2	17	1.04
(1,2108)	1:37:B:LEU:HD23	1:38:B:GLN:HG2	17	1.04
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	9	1.04
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	9	1.04
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	10	1.04
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	10	1.04
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	10	1.04
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	18	1.04
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	18	1.04
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	18	1.04
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	20	1.04
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	20	1.04
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	20	1.04
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	15	1.04
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	15	1.04
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	15	1.04
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	7	1.04
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	7	1.04
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	7	1.04
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	14	1.04
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	2	1.04
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	12	1.04
(1,3187)	1:76:B:VAL:HG11	1:72:A:GLN:HE22	8	1.03
(1,3187)	1:76:B:VAL:HG12	1:72:A:GLN:HE22	8	1.03
(1,3187)	1:76:B:VAL:HG13	1:72:A:GLN:HE22	8	1.03
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	8	1.03
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	8	1.03
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	8	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	9	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	9	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	9	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	14	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	14	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	14	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	17	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	17	1.03
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	17	1.03
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	13	1.03
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	13	1.03
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	13	1.03
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	13	1.03
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	13	1.03
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	13	1.03
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	9	1.03
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	9	1.03
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	14	1.03
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	14	1.03
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	14	1.03
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	17	1.03
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	17	1.03
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	17	1.03
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	7	1.03
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	7	1.03
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	7	1.03
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	18	1.03
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	18	1.03
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	18	1.03
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	6	1.03
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	6	1.03
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	6	1.03
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	17	1.03
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	17	1.03
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	17	1.03
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	5	1.03
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	5	1.03
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	5	1.03
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	7	1.03
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	7	1.03
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	7	1.03
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	9	1.03
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	9	1.03
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	9	1.03
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	12	1.03
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	12	1.03
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	12	1.03
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	3	1.03
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	3	1.03
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	3	1.03
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	5	1.03
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	5	1.03
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	5	1.03
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	7	1.03
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	7	1.03
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	7	1.03
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	10	1.03
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	10	1.03
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	17	1.03
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	17	1.03
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	17	1.03
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	20	1.03
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	20	1.03
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	20	1.03
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	1	1.03
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	6	1.03
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	6	1.03
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	7	1.03
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	9	1.03
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	12	1.03
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	19	1.03
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	20	1.03
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	2	1.02
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	2	1.02
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	2	1.02
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	12	1.02
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	12	1.02
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	12	1.02
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	2	1.02
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	2	1.02
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	2	1.02
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	12	1.02
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	12	1.02
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	12	1.02
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	11	1.02
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	11	1.02
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	11	1.02
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	16	1.02
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	16	1.02
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	16	1.02
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	10	1.02
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	10	1.02
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	10	1.02
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	10	1.02
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	10	1.02
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	10	1.02
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	11	1.02
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	11	1.02
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	16	1.02
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	16	1.02
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	16	1.02
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	19	1.02
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	19	1.02
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	19	1.02
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	13	1.02
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	13	1.02
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	13	1.02
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	14	1.02
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	14	1.02
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	14	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	7	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	7	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	7	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	9	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	9	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	9	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	19	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	19	1.02
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	19	1.02
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	14	1.02
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	14	1.02
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	14	1.02
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	2	1.02
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	2	1.02
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	2	1.02
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	13	1.02
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	13	1.02
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	13	1.02
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	15	1.02
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	15	1.02
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	15	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	7	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	8	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	9	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	13	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	14	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	15	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	16	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	17	1.02
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	18	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	20	1.02
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	2	1.02
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	3	1.02
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	8	1.02
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	10	1.02
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	11	1.02
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	13	1.02
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	15	1.02
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	18	1.02
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	4	1.02
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	7	1.02
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	6	1.01
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	6	1.01
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	6	1.01
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	1	1.01
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	1	1.01
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	1	1.01
(1,3183)	1:76:B:VAL:HG11	1:72:A:GLN:HE21	17	1.01
(1,3183)	1:76:B:VAL:HG12	1:72:A:GLN:HE21	17	1.01
(1,3183)	1:76:B:VAL:HG13	1:72:A:GLN:HE21	17	1.01
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	6	1.01
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	6	1.01
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	6	1.01
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	1	1.01
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	1	1.01
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	1	1.01
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG11	17	1.01
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG12	17	1.01
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG13	17	1.01
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	4	1.01
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	4	1.01
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	4	1.01
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	4	1.01
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	4	1.01
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	4	1.01
(1,2725)	1:76:B:VAL:HG11	1:80:B:ALA:HA	13	1.01
(1,2725)	1:76:B:VAL:HG12	1:80:B:ALA:HA	13	1.01
(1,2725)	1:76:B:VAL:HG13	1:80:B:ALA:HA	13	1.01
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	13	1.01
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	13	1.01
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	13	1.01
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	13	1.01
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	13	1.01
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	3	1.01
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	3	1.01
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	3	1.01
(1,2107)	1:37:A:LEU:HD21	1:38:A:GLN:HG2	19	1.01
(1,2107)	1:37:A:LEU:HD22	1:38:A:GLN:HG2	19	1.01
(1,2107)	1:37:A:LEU:HD23	1:38:A:GLN:HG2	19	1.01
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	6	1.01
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	6	1.01
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	6	1.01
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	5	1.01
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	5	1.01
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	5	1.01
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	3	1.01
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	3	1.01
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	3	1.01
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	11	1.01
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	11	1.01
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	11	1.01
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	12	1.01
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	12	1.01
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	12	1.01
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	3	1.01
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	3	1.01
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	3	1.01
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	5	1.01
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	5	1.01
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	5	1.01
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	8	1.01
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	8	1.01
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	8	1.01
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	18	1.01
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	18	1.01
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	18	1.01
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	3	1.01
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	11	1.01
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	1	1.01
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	4	1.01
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	5	1.01
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	14	1.01
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	16	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:44:A:PHE:H	1:45:A:LEU:HB2	17	1.01
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	3	1.01
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	11	1.0
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	11	1.0
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	11	1.0
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	11	1.0
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	11	1.0
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	11	1.0
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	11	1.0
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	11	1.0
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	11	1.0
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	11	1.0
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	11	1.0
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	11	1.0
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	2	1.0
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	2	1.0
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	2	1.0
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	16	1.0
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	16	1.0
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	16	1.0
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	20	1.0
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	20	1.0
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	20	1.0
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	2	1.0
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	2	1.0
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	2	1.0
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	16	1.0
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	16	1.0
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	16	1.0
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	20	1.0
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	20	1.0
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	20	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	1	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	1	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	1	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	2	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	2	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	2	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG11	12	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG12	12	1.0
(1,2701)	1:75:B:VAL:H	1:76:B:VAL:HG13	12	1.0
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	6	1.0
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	6	1.0
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	19	1.0
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	19	1.0
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	19	1.0
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	20	1.0
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	20	1.0
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	20	1.0
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	8	1.0
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	8	1.0
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	8	1.0
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	3	1.0
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	3	1.0
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	3	1.0
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	20	1.0
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	20	1.0
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	20	1.0
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	8	1.0
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	8	1.0
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	8	1.0
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	13	1.0
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	13	1.0
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	13	1.0
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	16	1.0
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	16	1.0
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	16	1.0
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	17	1.0
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	17	1.0
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	17	1.0
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	2	1.0
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	4	1.0
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	5	1.0
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	10	1.0
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	2	1.0
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	3	0.99
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	3	0.99
(1,3187)	1:76:B:VAL:HG11	1:72:A:GLN:HE22	17	0.99
(1,3187)	1:76:B:VAL:HG12	1:72:A:GLN:HE22	17	0.99
(1,3187)	1:76:B:VAL:HG13	1:72:A:GLN:HE22	17	0.99
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	8	0.99
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	8	0.99
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	17	0.99
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	17	0.99
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	17	0.99
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	8	0.99
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	8	0.99
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	8	0.99
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	3	0.99
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	3	0.99
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	3	0.99
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	3	0.99
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	3	0.99
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	3	0.99
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	3	0.99
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	3	0.99
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG11	13	0.99
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG12	13	0.99
(1,2699)	1:75:A:VAL:H	1:76:A:VAL:HG13	13	0.99
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	6	0.99
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	6	0.99
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	6	0.99
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	15	0.99
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	15	0.99
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	15	0.99
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	2	0.99
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	2	0.99
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	2	0.99
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	13	0.99
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	13	0.99
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	13	0.99
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	15	0.99
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	15	0.99
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	15	0.99
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	15	0.99
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	15	0.99
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	15	0.99
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	14	0.99
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	14	0.99
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	14	0.99
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	19	0.99
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	2	0.99
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	2	0.99
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	18	0.98
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	18	0.98
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	18	0.98
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	18	0.98
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	18	0.98
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	18	0.98
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	8	0.98
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	8	0.98
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	8	0.98
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	8	0.98
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	8	0.98
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	8	0.98
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	5	0.98
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	5	0.98
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	5	0.98
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	5	0.98
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	3	0.98
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	3	0.98
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	3	0.98
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	3	0.98
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	3	0.98
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	3	0.98
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	3	0.98
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	3	0.98
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	3	0.98
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	16	0.98
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	16	0.98
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	16	0.98
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD21	12	0.98
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD22	12	0.98
(1,2324)	1:38:B:GLN:HA	1:45:B:LEU:HD23	12	0.98
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	13	0.98
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	13	0.98
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	13	0.98
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	6	0.98
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	6	0.98
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	6	0.98
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	16	0.98
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	1	0.98
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	1	0.98
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	1	0.98
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	17	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	17	0.98
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	17	0.98
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	6	0.98
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	6	0.98
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	6	0.98
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	6	0.98
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	14	0.98
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	14	0.98
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	14	0.98
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	10	0.98
(1,3185)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	3	0.97
(1,3185)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	3	0.97
(1,3185)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	3	0.97
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG11	3	0.97
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG12	3	0.97
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG13	3	0.97
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	11	0.97
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	11	0.97
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	11	0.97
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	11	0.97
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	11	0.97
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	11	0.97
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG21	10	0.97
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG22	10	0.97
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG23	10	0.97
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	12	0.97
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	12	0.97
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	12	0.97
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	18	0.97
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	18	0.97
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	18	0.97
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	16	0.97
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	16	0.97
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	16	0.97
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	7	0.97
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	7	0.97
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	7	0.97
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	3	0.97
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	18	0.97
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	18	0.97
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	18	0.97
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	4	0.97
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	4	0.97
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	20	0.97
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	20	0.97
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	20	0.97
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	12	0.97
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	12	0.97
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	12	0.97
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	14	0.97
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	16	0.97
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	9	0.97
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	9	0.97
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	9	0.97
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	3	0.97
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	3	0.97
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	3	0.97
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	1	0.97
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	1	0.97
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	1	0.97
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	5	0.96
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	5	0.96
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	5	0.96
(1,3181)	1:76:A:VAL:HG11	1:72:B:GLN:HE21	15	0.96
(1,3181)	1:76:A:VAL:HG12	1:72:B:GLN:HE21	15	0.96
(1,3181)	1:76:A:VAL:HG13	1:72:B:GLN:HE21	15	0.96
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	5	0.96
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	5	0.96
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	5	0.96
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG11	15	0.96
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG12	15	0.96
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG13	15	0.96
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	18	0.96
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	18	0.96
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	18	0.96
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	19	0.96
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	19	0.96
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	19	0.96
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	6	0.96
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	6	0.96
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	6	0.96
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	14	0.96
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	14	0.96
(1,1809)	1:54:A:VAL:HG21	1:84:A:ALA:HA	12	0.96
(1,1809)	1:54:A:VAL:HG22	1:84:A:ALA:HA	12	0.96
(1,1809)	1:54:A:VAL:HG23	1:84:A:ALA:HA	12	0.96
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	4	0.96
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	16	0.95
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	16	0.95
(1,3183)	1:76:B:VAL:HG11	1:72:A:GLN:HE21	4	0.95
(1,3183)	1:76:B:VAL:HG12	1:72:A:GLN:HE21	4	0.95
(1,3183)	1:76:B:VAL:HG13	1:72:A:GLN:HE21	4	0.95
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG11	4	0.95
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG12	4	0.95
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG13	4	0.95
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	16	0.95
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	16	0.95
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	11	0.95
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	11	0.95
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	11	0.95
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	11	0.95
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	11	0.95
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	11	0.95
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG21	4	0.95
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG22	4	0.95
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG23	4	0.95
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG21	8	0.95
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG22	8	0.95
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG23	8	0.95
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG21	3	0.95
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG22	3	0.95
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG23	3	0.95
(1,2481)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	1	0.95
(1,2481)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	1	0.95
(1,2481)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	1	0.95
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	18	0.95
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	18	0.95
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	18	0.95
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	1	0.95
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	13	0.95
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	13	0.95
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	13	0.95
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	9	0.95
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	9	0.95
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	15	0.95
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	15	0.95
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	15	0.95
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	1	0.95
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	1	0.95
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	1	0.95
(1,1810)	1:54:B:VAL:HG21	1:84:B:ALA:HA	3	0.95
(1,1810)	1:54:B:VAL:HG22	1:84:B:ALA:HA	3	0.95
(1,1810)	1:54:B:VAL:HG23	1:84:B:ALA:HA	3	0.95
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	5	0.95
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	5	0.95
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	5	0.95
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	9	0.95
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	9	0.95
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	9	0.95
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	19	0.95
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	19	0.95
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	19	0.95
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	15	0.94
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	15	0.94
(1,3194)	1:87:B:ASN:HD21	1:71:A:PHE:H	17	0.94
(1,3194)	1:87:B:ASN:HD22	1:71:A:PHE:H	17	0.94
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	15	0.94
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	15	0.94
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD21	17	0.94
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD22	17	0.94
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	1	0.94
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	1	0.94
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	1	0.94
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	1	0.94
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	1	0.94
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	1	0.94
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	18	0.94
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	18	0.94
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	18	0.94
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	18	0.94
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	18	0.94
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	18	0.94
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	18	0.94
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	18	0.94
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:38:B:GLN:HG3	1:45:B:LEU:HG	12	0.94
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	5	0.94
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	10	0.94
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	10	0.94
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	10	0.94
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	5	0.94
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	5	0.94
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	5	0.94
(1,3193)	1:87:A:ASN:HD21	1:71:B:PHE:H	10	0.93
(1,3193)	1:87:A:ASN:HD22	1:71:B:PHE:H	10	0.93
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	5	0.93
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	5	0.93
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	5	0.93
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	13	0.93
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	13	0.93
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	13	0.93
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	13	0.93
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	13	0.93
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	13	0.93
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	5	0.93
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	5	0.93
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	5	0.93
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD21	10	0.93
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD22	10	0.93
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	8	0.93
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	8	0.93
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	8	0.93
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	8	0.93
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	8	0.93
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	8	0.93
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG21	15	0.93
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG22	15	0.93
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG23	15	0.93
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	7	0.93
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	7	0.93
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	7	0.93
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	14	0.93
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	14	0.93
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	14	0.93
(1,1973)	1:14:A:VAL:HG11	1:15:A:PHE:HB3	16	0.93
(1,1973)	1:14:A:VAL:HG12	1:15:A:PHE:HB3	16	0.93
(1,1973)	1:14:A:VAL:HG13	1:15:A:PHE:HB3	16	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	5	0.93
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	5	0.93
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	5	0.93
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	2	0.93
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	2	0.93
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	2	0.93
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	18	0.93
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	18	0.93
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	18	0.93
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	20	0.93
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	20	0.93
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	20	0.93
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	11	0.93
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	11	0.93
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	11	0.93
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	3	0.93
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	3	0.93
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	3	0.93
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	5	0.93
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	5	0.93
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	5	0.93
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	17	0.93
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	14	0.92
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	14	0.92
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	14	0.92
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	16	0.92
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	16	0.92
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	16	0.92
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	2	0.92
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	2	0.92
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	2	0.92
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	5	0.92
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	5	0.92
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	5	0.92
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	16	0.92
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	16	0.92
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	16	0.92
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	14	0.92
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	14	0.92
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	14	0.92
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	2	0.92
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	2	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	2	0.92
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	5	0.92
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	5	0.92
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	5	0.92
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	20	0.92
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	20	0.92
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	20	0.92
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	11	0.92
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	11	0.92
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	11	0.92
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	18	0.92
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	18	0.92
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	18	0.92
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	12	0.92
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	12	0.92
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	12	0.92
(1,1974)	1:14:B:VAL:HG11	1:15:B:PHE:HB3	7	0.92
(1,1974)	1:14:B:VAL:HG12	1:15:B:PHE:HB3	7	0.92
(1,1974)	1:14:B:VAL:HG13	1:15:B:PHE:HB3	7	0.92
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	12	0.92
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	12	0.92
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	12	0.92
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD21	20	0.92
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD22	20	0.92
(1,1921)	1:38:A:GLN:HG2	1:45:A:LEU:HD23	20	0.92
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	19	0.92
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	19	0.92
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	19	0.92
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	11	0.92
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	11	0.92
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	11	0.92
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	18	0.92
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	18	0.92
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	18	0.92
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	1	0.92
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	1	0.92
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	1	0.92
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	7	0.91
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	7	0.91
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	19	0.91
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	19	0.91
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	19	0.91
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	19	0.91
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	19	0.91
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	7	0.91
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	7	0.91
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	20	0.91
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	20	0.91
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	20	0.91
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	3	0.91
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	3	0.91
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	3	0.91
(1,3144)	1:15:B:PHE:H	1:4:A:LEU:HD21	7	0.91
(1,3144)	1:15:B:PHE:H	1:4:A:LEU:HD22	7	0.91
(1,3144)	1:15:B:PHE:H	1:4:A:LEU:HD23	7	0.91
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	19	0.91
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	19	0.91
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	19	0.91
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	3	0.91
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	3	0.91
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	3	0.91
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	20	0.91
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	20	0.91
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	20	0.91
(1,3118)	1:4:A:LEU:HD21	1:15:B:PHE:H	7	0.91
(1,3118)	1:4:A:LEU:HD22	1:15:B:PHE:H	7	0.91
(1,3118)	1:4:A:LEU:HD23	1:15:B:PHE:H	7	0.91
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	19	0.91
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	19	0.91
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	19	0.91
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	8	0.91
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	8	0.91
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	8	0.91
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	5	0.91
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	5	0.91
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	5	0.91
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	7	0.91
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	7	0.91
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	7	0.91
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	17	0.91
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	17	0.91
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	17	0.91
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	15	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	15	0.91
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	15	0.91
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	3	0.91
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	3	0.91
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	3	0.91
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	10	0.91
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	10	0.91
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	10	0.91
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	5	0.91
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	5	0.91
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	5	0.91
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	17	0.91
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	17	0.91
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	17	0.91
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	1	0.91
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	1	0.91
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	1	0.91
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	15	0.91
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	15	0.91
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	15	0.91
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	10	0.91
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	10	0.91
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	10	0.91
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	1	0.91
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	15	0.91
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	19	0.9
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	19	0.9
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	19	0.9
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	19	0.9
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	19	0.9
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	19	0.9
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	19	0.9
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	19	0.9
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	19	0.9
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	19	0.9
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	20	0.9
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	20	0.9
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	20	0.9
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	20	0.9
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	20	0.9
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	20	0.9
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG21	20	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG22	20	0.9
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG23	20	0.9
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	10	0.9
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	10	0.9
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	10	0.9
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	5	0.9
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	5	0.9
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	5	0.9
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	6	0.9
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	6	0.9
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	6	0.9
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	11	0.9
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	11	0.9
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	11	0.9
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	11	0.9
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	11	0.9
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	11	0.9
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	18	0.9
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	18	0.9
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	18	0.9
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	4	0.9
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	4	0.9
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	4	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	4	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	4	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	4	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	8	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	8	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	8	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	13	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	13	0.9
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	13	0.9
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG21	2	0.9
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG22	2	0.9
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG23	2	0.9
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	10	0.9
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	10	0.9
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	10	0.9
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	11	0.9
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	11	0.9
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	11	0.9
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	5	0.9
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	5	0.9
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	11	0.9
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	11	0.9
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	11	0.9
(1,3185)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	14	0.89
(1,3185)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	14	0.89
(1,3185)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	14	0.89
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG11	14	0.89
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG12	14	0.89
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG13	14	0.89
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	5	0.89
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	5	0.89
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	5	0.89
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD11	9	0.89
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD12	9	0.89
(1,3133)	1:14:A:VAL:H	1:4:B:LEU:HD13	9	0.89
(1,3111)	1:4:B:LEU:HD11	1:14:A:VAL:H	9	0.89
(1,3111)	1:4:B:LEU:HD12	1:14:A:VAL:H	9	0.89
(1,3111)	1:4:B:LEU:HD13	1:14:A:VAL:H	9	0.89
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	5	0.89
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	5	0.89
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	5	0.89
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG21	13	0.89
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG22	13	0.89
(1,2696)	1:73:B:GLU:HA	1:76:B:VAL:HG23	13	0.89
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	7	0.89
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	7	0.89
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	7	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	7	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	7	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	7	0.89
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	7	0.89
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	7	0.89
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	7	0.89
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	13	0.89
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	13	0.89
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	13	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	13	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	13	0.89
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	13	0.89
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	13	0.89
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	13	0.89
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	11	0.89
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	11	0.89
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	11	0.89
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	18	0.89
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	18	0.89
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	18	0.89
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	20	0.89
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	20	0.89
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	20	0.89
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	7	0.89
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	19	0.89
(1,1679)	1:38:A:GLN:HG3	1:45:A:LEU:HG	20	0.89
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	9	0.89
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	9	0.89
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	9	0.89
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	12	0.89
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	12	0.89
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	12	0.89
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	19	0.89
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	19	0.89
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	19	0.89
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	8	0.89
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	8	0.89
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	8	0.89
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	13	0.89
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	13	0.89
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	13	0.89
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	19	0.89
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	19	0.89
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	19	0.89
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	11	0.88
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	11	0.88
(1,3188)	1:76:B:VAL:HG21	1:72:A:GLN:HE22	2	0.88
(1,3188)	1:76:B:VAL:HG22	1:72:A:GLN:HE22	2	0.88
(1,3188)	1:76:B:VAL:HG23	1:72:A:GLN:HE22	2	0.88
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG21	2	0.88
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG22	2	0.88
(1,3170)	1:72:A:GLN:HE22	1:76:B:VAL:HG23	2	0.88
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	11	0.88
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	15	0.88
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	15	0.88
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	15	0.88
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	14	0.88
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	14	0.88
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	14	0.88
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	15	0.88
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	15	0.88
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	15	0.88
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	14	0.88
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	14	0.88
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	14	0.88
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG21	1	0.88
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG22	1	0.88
(1,2694)	1:73:A:GLU:HA	1:76:A:VAL:HG23	1	0.88
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	6	0.88
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	6	0.88
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	6	0.88
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	6	0.88
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	6	0.88
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	6	0.88
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	6	0.88
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	6	0.88
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	6	0.88
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	18	0.88
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	18	0.88
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	18	0.88
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG21	1	0.88
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG22	1	0.88
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG23	1	0.88
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	9	0.88
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	9	0.88
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	9	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	2	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	2	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	2	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	5	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	5	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	5	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	6	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	6	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	7	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	7	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	7	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	10	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	10	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	10	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	17	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	17	0.88
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	17	0.88
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	2	0.88
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	2	0.88
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	2	0.88
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	4	0.88
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	4	0.88
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	4	0.88
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	3	0.88
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	3	0.88
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	3	0.88
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG21	1	0.88
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG22	1	0.88
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG23	1	0.88
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	2	0.88
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	2	0.88
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	2	0.88
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	7	0.88
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	7	0.88
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	7	0.88
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	2	0.88
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	2	0.88
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	2	0.88
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	8	0.88
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	8	0.88
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	8	0.88
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	15	0.88
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	15	0.88
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	15	0.88
(1,3187)	1:76:B:VAL:HG11	1:72:A:GLN:HE22	4	0.87
(1,3187)	1:76:B:VAL:HG12	1:72:A:GLN:HE22	4	0.87
(1,3187)	1:76:B:VAL:HG13	1:72:A:GLN:HE22	4	0.87
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	6	0.87
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	6	0.87
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3181)	1:76:A:VAL:HG11	1:72:B:GLN:HE21	10	0.87
(1,3181)	1:76:A:VAL:HG12	1:72:B:GLN:HE21	10	0.87
(1,3181)	1:76:A:VAL:HG13	1:72:B:GLN:HE21	10	0.87
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	6	0.87
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	6	0.87
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	6	0.87
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	4	0.87
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	4	0.87
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	4	0.87
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG11	10	0.87
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG12	10	0.87
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG13	10	0.87
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	14	0.87
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	14	0.87
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	14	0.87
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	15	0.87
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	15	0.87
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	15	0.87
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD11	6	0.87
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD12	6	0.87
(1,3135)	1:14:B:VAL:H	1:4:A:LEU:HD13	6	0.87
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	14	0.87
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	14	0.87
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	14	0.87
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	15	0.87
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	15	0.87
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	15	0.87
(1,3109)	1:4:A:LEU:HD11	1:14:B:VAL:H	6	0.87
(1,3109)	1:4:A:LEU:HD12	1:14:B:VAL:H	6	0.87
(1,3109)	1:4:A:LEU:HD13	1:14:B:VAL:H	6	0.87
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	17	0.87
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	17	0.87
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	17	0.87
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	2	0.87
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	2	0.87
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	2	0.87
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	10	0.87
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	10	0.87
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	10	0.87
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	6	0.87
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	6	0.87
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	10	0.87
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	10	0.87
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	10	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	1	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	1	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	1	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	3	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	3	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	3	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	4	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	4	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	4	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	8	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	8	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	8	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	11	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	11	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	11	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	14	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	14	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	14	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	15	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	15	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	15	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	16	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	16	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	16	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	18	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	18	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	18	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	20	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	20	0.87
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	20	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	1	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	1	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	1	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	8	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	8	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	8	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	10	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	10	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	12	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	12	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	12	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	14	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	14	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	14	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	19	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	19	0.87
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	19	0.87
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	8	0.87
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	8	0.87
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	8	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	2	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	2	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	2	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	3	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	3	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	3	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	7	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	7	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	7	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	17	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	17	0.87
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	17	0.87
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	6	0.87
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	6	0.87
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	6	0.87
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	14	0.87
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	14	0.87
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	14	0.87
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	20	0.87
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	20	0.87
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	20	0.87
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	3	0.87
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	3	0.87
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	3	0.87
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	18	0.87
(1,3186)	1:76:A:VAL:HG21	1:72:B:GLN:HE22	18	0.86
(1,3186)	1:76:A:VAL:HG22	1:72:B:GLN:HE22	18	0.86
(1,3186)	1:76:A:VAL:HG23	1:72:B:GLN:HE22	18	0.86
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	11	0.86
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	11	0.86
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG21	18	0.86
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG22	18	0.86
(1,3172)	1:72:B:GLN:HE22	1:76:A:VAL:HG23	18	0.86
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	11	0.86
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	11	0.86
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	11	0.86
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	4	0.86
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	4	0.86
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	4	0.86
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	17	0.86
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	17	0.86
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	17	0.86
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	3	0.86
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	3	0.86
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	3	0.86
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	4	0.86
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	4	0.86
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	4	0.86
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	4	0.86
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	4	0.86
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	4	0.86
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	17	0.86
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	17	0.86
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	17	0.86
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	4	0.86
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	4	0.86
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	4	0.86
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	3	0.86
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	3	0.86
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	3	0.86
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	13	0.86
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	13	0.86
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	13	0.86
(1,2066)	1:3:B:GLU:HG2	1:4:B:LEU:HB3	9	0.86
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	18	0.86
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	18	0.86
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	18	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	5	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	5	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	5	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	6	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	6	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	6	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	9	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	9	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	9	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	11	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	11	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	11	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	13	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	13	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	13	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	16	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	16	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	16	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	17	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	17	0.86
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	17	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	11	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	11	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	11	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	13	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	13	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	13	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	14	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	14	0.86
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	14	0.86
(1,612)	1:37:B:LEU:HD11	1:81:B:LEU:H	6	0.86
(1,612)	1:37:B:LEU:HD12	1:81:B:LEU:H	6	0.86
(1,612)	1:37:B:LEU:HD13	1:81:B:LEU:H	6	0.86
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	18	0.86
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	18	0.86
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	18	0.86
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	9	0.86
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	9	0.86
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	9	0.86
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	20	0.86
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	20	0.86
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	20	0.86
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	4	0.86
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	4	0.86
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	7	0.86
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	13	0.86
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	20	0.86
(1,85)	1:54:A:VAL:H	1:84:A:ALA:HA	8	0.86
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	16	0.85
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	16	0.85
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	16	0.85
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	16	0.85
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	16	0.85
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	16	0.85
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	13	0.85
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	13	0.85
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	13	0.85
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	1	0.85
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	1	0.85
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	1	0.85
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	10	0.85
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	10	0.85
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	10	0.85
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	3	0.85
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	3	0.85
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	3	0.85
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	17	0.85
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	17	0.85
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	17	0.85
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	1	0.85
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	1	0.85
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	1	0.85
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	13	0.85
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	13	0.85
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	13	0.85
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	3	0.85
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	3	0.85
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	3	0.85
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	17	0.85
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	17	0.85
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	17	0.85
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	10	0.85
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	10	0.85
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	10	0.85
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	4	0.85
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	4	0.85
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	4	0.85
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	4	0.85
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	4	0.85
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	4	0.85
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	4	0.85
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	4	0.85
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	9	0.85
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	9	0.85
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	9	0.85
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	9	0.85
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	9	0.85
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	9	0.85
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	19	0.85
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	19	0.85
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	19	0.85
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	7	0.85
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	7	0.85
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	7	0.85
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	12	0.85
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	12	0.85
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	12	0.85
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	4	0.85
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	4	0.85
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	4	0.85
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	12	0.85
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	12	0.85
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	12	0.85
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	7	0.85
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	7	0.85
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	7	0.85
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	12	0.85
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	12	0.85
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	12	0.85
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	17	0.85
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	17	0.85
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	17	0.85
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	19	0.85
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	19	0.85
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	19	0.85
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	5	0.85
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	18	0.84
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	18	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	18	0.84
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	18	0.84
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	18	0.84
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	18	0.84
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	17	0.84
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	17	0.84
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	17	0.84
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	17	0.84
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	17	0.84
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	17	0.84
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	17	0.84
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	17	0.84
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	17	0.84
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	20	0.84
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	20	0.84
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	20	0.84
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	6	0.84
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	10	0.84
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	13	0.84
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	13	0.84
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	13	0.84
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	15	0.84
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	15	0.84
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	15	0.84
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	10	0.84
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	10	0.84
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	10	0.84
(1,532)	1:45:B:LEU:HB3	1:48:B:GLN:HE21	4	0.84
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	4	0.84
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	4	0.84
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	4	0.84
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	6	0.84
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	6	0.84
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	6	0.84
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	13	0.84
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	15	0.84
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	19	0.84
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	18	0.83
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	18	0.83
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	18	0.83
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	18	0.83
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	18	0.83
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	2	0.83
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	2	0.83
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	2	0.83
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	8	0.83
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	8	0.83
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	8	0.83
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	2	0.83
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	2	0.83
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	2	0.83
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	8	0.83
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	8	0.83
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	8	0.83
(1,2289)	1:41:A:LEU:HD21	1:78:A:VAL:HA	19	0.83
(1,2289)	1:41:A:LEU:HD22	1:78:A:VAL:HA	19	0.83
(1,2289)	1:41:A:LEU:HD23	1:78:A:VAL:HA	19	0.83
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	10	0.83
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	10	0.83
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	10	0.83
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	6	0.83
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	6	0.83
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	6	0.83
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	5	0.83
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	5	0.83
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	5	0.83
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	13	0.83
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	13	0.83
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	13	0.83
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	11	0.83
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	11	0.83
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	11	0.83
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	5	0.83
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	12	0.83
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	12	0.83
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	12	0.83
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	20	0.83
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	20	0.83
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	20	0.83
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	11	0.83
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	11	0.83
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	11	0.83
(1,532)	1:45:B:LEU:HB3	1:48:B:GLN:HE21	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	16	0.83
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	16	0.83
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	16	0.83
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	14	0.83
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	14	0.83
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	14	0.83
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	1	0.83
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	3	0.83
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	6	0.83
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	16	0.83
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	19	0.83
(1,86)	1:54:B:VAL:H	1:84:B:ALA:HA	20	0.83
(1,3185)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	10	0.82
(1,3185)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	10	0.82
(1,3185)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	10	0.82
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	5	0.82
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	5	0.82
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	5	0.82
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG11	10	0.82
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG12	10	0.82
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG13	10	0.82
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	5	0.82
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	5	0.82
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	5	0.82
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	9	0.82
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	9	0.82
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	9	0.82
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	15	0.82
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	15	0.82
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	15	0.82
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	9	0.82
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	9	0.82
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	9	0.82
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	15	0.82
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	15	0.82
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	15	0.82
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	6	0.82
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	6	0.82
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	6	0.82
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	6	0.82
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	6	0.82
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	6	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	6	0.82
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	6	0.82
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	6	0.82
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	1	0.82
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	1	0.82
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	1	0.82
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	11	0.82
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	11	0.82
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	11	0.82
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	7	0.82
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	7	0.82
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	7	0.82
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	20	0.82
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	20	0.82
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	20	0.82
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	6	0.82
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	6	0.82
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	6	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	6	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	6	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	6	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	16	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	16	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	16	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	20	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	20	0.82
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	20	0.82
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	17	0.82
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	17	0.82
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	17	0.82
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	16	0.82
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	16	0.82
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	16	0.82
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	18	0.82
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	18	0.82
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	18	0.82
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	6	0.82
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	9	0.81
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	9	0.81
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	9	0.81
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	11	0.81
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	11	0.81
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	9	0.81
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	9	0.81
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	9	0.81
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	11	0.81
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	11	0.81
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	11	0.81
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	8	0.81
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	8	0.81
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	8	0.81
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE1	17	0.81
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE2	17	0.81
(1,2322)	1:57:B:VAL:HG11	1:58:B:MET:HE3	17	0.81
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE1	17	0.81
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE2	17	0.81
(1,2322)	1:57:B:VAL:HG12	1:58:B:MET:HE3	17	0.81
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE1	17	0.81
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE2	17	0.81
(1,2322)	1:57:B:VAL:HG13	1:58:B:MET:HE3	17	0.81
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG21	4	0.81
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG22	4	0.81
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG23	4	0.81
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	11	0.81
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	11	0.81
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	11	0.81
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	1	0.81
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	1	0.81
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	1	0.81
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	19	0.81
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	19	0.81
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	19	0.81
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	13	0.81
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	13	0.81
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	13	0.81
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	16	0.81
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	16	0.81
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	16	0.81
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	9	0.81
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	9	0.81
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	9	0.81
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG21	4	0.81
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG22	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG23	4	0.81
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG21	8	0.81
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG22	8	0.81
(1,708)	1:74:B:TYR:H	1:75:B:VAL:HG23	8	0.81
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	5	0.81
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	5	0.81
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	5	0.81
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	15	0.81
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	15	0.81
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	15	0.81
(1,441)	1:14:A:VAL:HG11	1:16:A:HIS:H	13	0.81
(1,441)	1:14:A:VAL:HG12	1:16:A:HIS:H	13	0.81
(1,441)	1:14:A:VAL:HG13	1:16:A:HIS:H	13	0.81
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	2	0.81
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	9	0.81
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	14	0.81
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	18	0.81
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	4	0.8
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	4	0.8
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	4	0.8
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	18	0.8
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	18	0.8
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	18	0.8
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	1	0.8
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	1	0.8
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	1	0.8
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	18	0.8
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	18	0.8
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	18	0.8
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	4	0.8
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	4	0.8
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	4	0.8
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	18	0.8
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	18	0.8
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	18	0.8
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	18	0.8
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	18	0.8
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	18	0.8
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	1	0.8
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	1	0.8
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	1	0.8
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	19	0.8
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	19	0.8
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	19	0.8
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	19	0.8
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	19	0.8
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	19	0.8
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	19	0.8
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	19	0.8
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	14	0.8
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	2	0.8
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	2	0.8
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	2	0.8
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	6	0.8
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	6	0.8
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	6	0.8
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	9	0.8
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	9	0.8
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	9	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	6	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	6	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	6	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	13	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	13	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	13	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	15	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	15	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	15	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	19	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	19	0.8
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	19	0.8
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	18	0.8
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	6	0.8
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	6	0.8
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	6	0.8
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	15	0.8
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	15	0.8
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	15	0.8
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	9	0.8
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	9	0.8
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	9	0.8
(1,532)	1:45:B:LEU:HB3	1:48:B:GLN:HE21	7	0.8
(1,519)	1:37:A:LEU:HD21	1:38:A:GLN:HE22	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:37:A:LEU:HD22	1:38:A:GLN:HE22	15	0.8
(1,519)	1:37:A:LEU:HD23	1:38:A:GLN:HE22	15	0.8
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	7	0.8
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	2	0.8
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	13	0.79
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	13	0.79
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	13	0.79
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	13	0.79
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	13	0.79
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	13	0.79
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	11	0.79
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	11	0.79
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	11	0.79
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	15	0.79
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	15	0.79
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	15	0.79
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	14	0.79
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	14	0.79
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	14	0.79
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	15	0.79
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	15	0.79
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	15	0.79
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	4	0.79
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	4	0.79
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	4	0.79
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	16	0.79
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	16	0.79
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	16	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	2	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	2	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	2	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	5	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	5	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	5	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	12	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	12	0.79
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	12	0.79
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	12	0.79
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	14	0.79
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	14	0.79
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	14	0.79
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	14	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	14	0.79
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	14	0.79
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	3	0.79
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	3	0.79
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	3	0.79
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	19	0.79
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	19	0.79
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	19	0.79
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	10	0.79
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	6	0.78
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	6	0.78
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	6	0.78
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	11	0.78
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	11	0.78
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	11	0.78
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	6	0.78
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	6	0.78
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	6	0.78
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	11	0.78
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	11	0.78
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	11	0.78
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	7	0.78
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	7	0.78
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	7	0.78
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	15	0.78
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	15	0.78
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	15	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	8	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	8	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	8	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	19	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	19	0.78
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	19	0.78
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	7	0.78
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	7	0.78
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	7	0.78
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	8	0.78
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	8	0.78
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	8	0.78
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	19	0.78
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	19	0.78
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	15	0.78
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	15	0.78
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	15	0.78
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	4	0.78
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	4	0.78
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	4	0.78
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	4	0.78
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	1	0.78
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	1	0.78
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	1	0.78
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	1	0.78
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	1	0.78
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	1	0.78
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	1	0.78
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	1	0.78
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	1	0.78
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	2	0.78
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	2	0.78
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	2	0.78
(1,2023)	1:45:A:LEU:HD11	1:48:A:GLN:HE22	1	0.78
(1,2023)	1:45:A:LEU:HD12	1:48:A:GLN:HE22	1	0.78
(1,2023)	1:45:A:LEU:HD13	1:48:A:GLN:HE22	1	0.78
(1,532)	1:45:B:LEU:HB3	1:48:B:GLN:HE21	20	0.78
(1,442)	1:14:B:VAL:HG11	1:16:B:HIS:H	9	0.78
(1,442)	1:14:B:VAL:HG12	1:16:B:HIS:H	9	0.78
(1,442)	1:14:B:VAL:HG13	1:16:B:HIS:H	9	0.78
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	12	0.78
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	20	0.78
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	14	0.78
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	15	0.78
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	16	0.78
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	16	0.77
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	16	0.77
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	16	0.77
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	13	0.77
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	13	0.77
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	13	0.77
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	13	0.77
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	13	0.77
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	13	0.77
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	16	0.77
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	16	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	16	0.77
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	12	0.77
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	12	0.77
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	12	0.77
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG21	2	0.77
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG22	2	0.77
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG23	2	0.77
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG21	8	0.77
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG22	8	0.77
(1,2224)	1:72:B:GLN:HA	1:75:B:VAL:HG23	8	0.77
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	20	0.77
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	20	0.77
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	20	0.77
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD21	20	0.77
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD22	20	0.77
(1,2089)	1:38:A:GLN:HG3	1:45:A:LEU:HD23	20	0.77
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	8	0.77
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	8	0.77
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	8	0.77
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	20	0.77
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	3	0.77
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	3	0.77
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	3	0.77
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	15	0.77
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	15	0.77
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	15	0.77
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	1	0.77
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	1	0.77
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	1	0.77
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	8	0.77
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	11	0.77
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	17	0.77
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	12	0.76
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	12	0.76
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	12	0.76
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	5	0.76
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	5	0.76
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	5	0.76
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	5	0.76
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	5	0.76
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	5	0.76
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	12	0.76
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	12	0.76
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	8	0.76
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	8	0.76
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	8	0.76
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	12	0.76
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	12	0.76
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	12	0.76
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	12	0.76
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	12	0.76
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	12	0.76
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	12	0.76
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	12	0.76
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	12	0.76
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	7	0.76
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	2	0.76
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	11	0.76
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	11	0.76
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	11	0.76
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	14	0.76
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	14	0.76
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	14	0.76
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	15	0.76
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	15	0.76
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	15	0.76
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	5	0.76
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	15	0.76
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	15	0.76
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	15	0.76
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	7	0.76
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	7	0.76
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	7	0.76
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	3	0.76
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	10	0.76
(1,3185)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	15	0.75
(1,3185)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	15	0.75
(1,3185)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	15	0.75
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG11	15	0.75
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG12	15	0.75
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG13	15	0.75
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	11	0.75
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	11	0.75
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	20	0.75
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	20	0.75
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	20	0.75
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	12	0.75
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	12	0.75
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	12	0.75
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	12	0.75
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	12	0.75
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	12	0.75
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	11	0.75
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	11	0.75
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	11	0.75
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	20	0.75
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	20	0.75
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	20	0.75
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB1	3	0.75
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB2	3	0.75
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB3	3	0.75
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB1	3	0.75
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB2	3	0.75
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB3	3	0.75
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB1	3	0.75
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB2	3	0.75
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB3	3	0.75
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	6	0.75
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	6	0.75
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	6	0.75
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	20	0.75
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	3	0.75
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	16	0.75
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	16	0.75
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	16	0.75
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	14	0.75
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	14	0.75
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	11	0.75
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	12	0.74
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	12	0.74
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	16	0.74
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	16	0.74
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	12	0.74
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	16	0.74
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	16	0.74
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	19	0.74
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	19	0.74
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	19	0.74
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	1	0.74
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	1	0.74
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	1	0.74
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	7	0.74
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	7	0.74
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	7	0.74
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	19	0.74
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	19	0.74
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	19	0.74
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	1	0.74
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	1	0.74
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	1	0.74
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	7	0.74
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	7	0.74
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	7	0.74
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	15	0.74
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	15	0.74
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	15	0.74
(1,2024)	1:45:B:LEU:HD11	1:48:B:GLN:HE22	10	0.74
(1,2024)	1:45:B:LEU:HD12	1:48:B:GLN:HE22	10	0.74
(1,2024)	1:45:B:LEU:HD13	1:48:B:GLN:HE22	10	0.74
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	5	0.74
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	5	0.74
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	5	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	1	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	1	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	1	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	8	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	8	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	8	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	10	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	10	0.74
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	10	0.74
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG11	12	0.74
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG12	12	0.74
(1,882)	1:56:B:LYS:H	1:57:B:VAL:HG13	12	0.74
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG11	16	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG12	16	0.74
(1,713)	1:12:A:ILE:H	1:14:A:VAL:HG13	16	0.74
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	8	0.74
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	12	0.74
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	2	0.73
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	2	0.73
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	2	0.73
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	2	0.73
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	2	0.73
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	2	0.73
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	2	0.73
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	2	0.73
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	2	0.73
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	9	0.73
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	9	0.73
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	9	0.73
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	17	0.73
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	17	0.73
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	17	0.73
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	16	0.73
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	16	0.73
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	16	0.73
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	2	0.73
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	2	0.73
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	2	0.73
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	16	0.73
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	16	0.73
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	16	0.73
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	9	0.73
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	9	0.73
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	9	0.73
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	17	0.73
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	17	0.73
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	17	0.73
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB1	16	0.73
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB2	16	0.73
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB3	16	0.73
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB1	16	0.73
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB2	16	0.73
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB3	16	0.73
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB1	16	0.73
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB2	16	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB3	16	0.73
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	3	0.73
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	3	0.73
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	3	0.73
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	14	0.73
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	14	0.73
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	14	0.73
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	17	0.73
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG11	17	0.73
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG12	17	0.73
(1,714)	1:12:B:ILE:H	1:14:B:VAL:HG13	17	0.73
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	20	0.73
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	20	0.73
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	20	0.73
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	13	0.73
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	13	0.73
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	17	0.73
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	17	0.73
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	5	0.73
(1,3183)	1:76:B:VAL:HG11	1:72:A:GLN:HE21	13	0.72
(1,3183)	1:76:B:VAL:HG12	1:72:A:GLN:HE21	13	0.72
(1,3183)	1:76:B:VAL:HG13	1:72:A:GLN:HE21	13	0.72
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG11	13	0.72
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG12	13	0.72
(1,3165)	1:72:A:GLN:HE21	1:76:B:VAL:HG13	13	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	12	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	12	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	12	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	14	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	14	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	14	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	18	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	18	0.72
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	18	0.72
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	12	0.72
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	12	0.72
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	12	0.72
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	14	0.72
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	14	0.72
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	14	0.72
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	18	0.72
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	18	0.72
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	1	0.72
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	1	0.72
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	1	0.72
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	9	0.72
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	9	0.72
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	9	0.72
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	14	0.72
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	14	0.72
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	14	0.72
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	14	0.72
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	14	0.72
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	14	0.72
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	14	0.72
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	14	0.72
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	14	0.72
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG11	18	0.72
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG12	18	0.72
(1,881)	1:56:A:LYS:H	1:57:A:VAL:HG13	18	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	3	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	3	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	3	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	6	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	6	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	6	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	10	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	10	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	10	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	18	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	18	0.72
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	18	0.72
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	20	0.72
(1,3187)	1:76:B:VAL:HG11	1:72:A:GLN:HE22	13	0.71
(1,3187)	1:76:B:VAL:HG12	1:72:A:GLN:HE22	13	0.71
(1,3187)	1:76:B:VAL:HG13	1:72:A:GLN:HE22	13	0.71
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	13	0.71
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	13	0.71
(1,3169)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	13	0.71
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	8	0.71
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	8	0.71
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	8	0.71
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	16	0.71
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	16	0.71
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	8	0.71
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	8	0.71
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	8	0.71
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	16	0.71
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	16	0.71
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	16	0.71
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB1	8	0.71
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB2	8	0.71
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB3	8	0.71
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB1	8	0.71
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB2	8	0.71
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB3	8	0.71
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB1	8	0.71
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB2	8	0.71
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB3	8	0.71
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	12	0.71
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	12	0.71
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	12	0.71
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	15	0.71
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	15	0.71
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	15	0.71
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	8	0.71
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	8	0.71
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	8	0.71
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	18	0.71
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	3	0.71
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	3	0.71
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	3	0.71
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	17	0.71
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	17	0.71
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	17	0.71
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	13	0.71
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	18	0.71
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	18	0.71
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	18	0.71
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	9	0.71
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	9	0.71
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	9	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	6	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	6	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	7	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	7	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	7	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	9	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	9	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	9	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	11	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	11	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	11	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	12	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	12	0.71
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	12	0.71
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	15	0.71
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	15	0.71
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	15	0.71
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	13	0.7
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	13	0.7
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	13	0.7
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	13	0.7
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	13	0.7
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	13	0.7
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB1	10	0.7
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB2	10	0.7
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB3	10	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB1	10	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB2	10	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB3	10	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB1	10	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB2	10	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB3	10	0.7
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB1	15	0.7
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB2	15	0.7
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB3	15	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB1	15	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB2	15	0.7
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB3	15	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB1	15	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB2	15	0.7
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB3	15	0.7
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	11	0.7
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	11	0.7
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	11	0.7
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	11	0.7
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	11	0.7
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	11	0.7
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	11	0.7
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	11	0.7
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	1	0.7
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	13	0.7
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	4	0.7
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	4	0.7
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	4	0.7
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	20	0.7
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	20	0.7
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	20	0.7
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	20	0.7
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	20	0.7
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	20	0.7
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	12	0.7
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	12	0.7
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	12	0.7
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	1	0.7
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	1	0.7
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	1	0.7
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	10	0.7
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	10	0.7
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	10	0.7
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	19	0.7
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	19	0.7
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	19	0.7
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	11	0.7
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	11	0.7
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	11	0.7
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	17	0.7
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB1	13	0.69
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB2	13	0.69
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB3	13	0.69
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB1	13	0.69
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB2	13	0.69
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB3	13	0.69
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB1	13	0.69
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB2	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB3	13	0.69
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	5	0.69
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	5	0.69
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	5	0.69
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	18	0.69
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	18	0.69
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	18	0.69
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	4	0.69
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	4	0.69
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	4	0.69
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	15	0.69
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	15	0.69
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	15	0.69
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	19	0.69
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	19	0.69
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	19	0.69
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	7	0.69
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	7	0.69
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	7	0.69
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	1	0.69
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	1	0.69
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	1	0.69
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	8	0.69
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	8	0.69
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	8	0.69
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	9	0.69
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	9	0.69
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	9	0.69
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	11	0.69
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	11	0.69
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	11	0.69
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	15	0.69
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	15	0.69
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	15	0.69
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	8	0.69
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	8	0.69
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	8	0.69
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	11	0.69
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	11	0.69
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	11	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	2	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	2	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	13	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	13	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	13	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	18	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	18	0.69
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	18	0.69
(1,383)	1:43:A:GLY:H	1:45:A:LEU:HB2	1	0.69
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	19	0.68
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	19	0.68
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	19	0.68
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	9	0.68
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	9	0.68
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	9	0.68
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	19	0.68
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	19	0.68
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	19	0.68
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	9	0.68
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	9	0.68
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	9	0.68
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	20	0.68
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	20	0.68
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	20	0.68
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	20	0.68
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	20	0.68
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	20	0.68
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	13	0.68
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	13	0.68
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	13	0.68
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	18	0.68
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	18	0.68
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	18	0.68
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	1	0.68
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	1	0.68
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	1	0.68
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	5	0.68
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	5	0.68
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	5	0.68
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD21	11	0.68
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD22	11	0.68
(1,2139)	1:34:A:LYS:HA	1:37:A:LEU:HD23	11	0.68
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	16	0.68
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	16	0.68
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	1	0.68
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	1	0.68
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	1	0.68
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	1	0.68
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	1	0.68
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	1	0.68
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	1	0.68
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	1	0.68
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	1	0.68
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	18	0.68
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	18	0.68
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	18	0.68
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	12	0.68
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	12	0.68
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	12	0.68
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	13	0.68
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	13	0.68
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	13	0.68
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	8	0.68
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	8	0.68
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	8	0.68
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	9	0.68
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	9	0.68
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	9	0.68
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	1	0.68
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	1	0.68
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	1	0.68
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	5	0.68
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	5	0.68
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	5	0.68
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	18	0.68
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	18	0.68
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	19	0.67
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	19	0.67
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	19	0.67
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	19	0.67
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	19	0.67
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	19	0.67
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	17	0.67
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	17	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	17	0.67
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	20	0.67
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	20	0.67
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	20	0.67
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	20	0.67
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	15	0.67
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	15	0.67
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	15	0.67
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	20	0.67
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD21	12	0.67
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD22	12	0.67
(1,1922)	1:38:B:GLN:HG2	1:45:B:LEU:HD23	12	0.67
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	10	0.67
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	10	0.67
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	10	0.67
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	10	0.67
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	10	0.67
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	10	0.67
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	10	0.67
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	10	0.67
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	10	0.67
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	11	0.67
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	11	0.67
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	11	0.67
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	13	0.67
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	13	0.67
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	13	0.67
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	16	0.67
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	16	0.67
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	16	0.67
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	15	0.67
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	15	0.67
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	15	0.67
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	20	0.67
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	20	0.67
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	20	0.67
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	19	0.66
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	19	0.66
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	19	0.66
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	19	0.66
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	19	0.66
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB1	20	0.66
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB2	20	0.66
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB3	20	0.66
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB1	20	0.66
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB2	20	0.66
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB3	20	0.66
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB1	20	0.66
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB2	20	0.66
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB3	20	0.66
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	9	0.66
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	9	0.66
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	9	0.66
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	4	0.66
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	4	0.66
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	4	0.66
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD21	4	0.66
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD22	4	0.66
(1,1947)	1:44:A:PHE:HA	1:45:A:LEU:HD23	4	0.66
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	15	0.66
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	15	0.66
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	15	0.66
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	2	0.66
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	2	0.66
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	2	0.66
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	7	0.66
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	7	0.66
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	7	0.66
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	16	0.66
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	16	0.66
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	16	0.66
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	2	0.66
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	2	0.66
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	2	0.66
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	6	0.66
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	6	0.66
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	6	0.66
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	3	0.66
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	3	0.66
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	3	0.66
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	14	0.66
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	14	0.66
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	8	0.66
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	8	0.66
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	8	0.66
(1,384)	1:43:B:GLY:H	1:45:B:LEU:HB2	17	0.66
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	15	0.66
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	2	0.65
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	2	0.65
(1,3181)	1:76:A:VAL:HG11	1:72:B:GLN:HE21	1	0.65
(1,3181)	1:76:A:VAL:HG12	1:72:B:GLN:HE21	1	0.65
(1,3181)	1:76:A:VAL:HG13	1:72:B:GLN:HE21	1	0.65
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG11	1	0.65
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG12	1	0.65
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG13	1	0.65
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	2	0.65
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	2	0.65
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB1	17	0.65
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB2	17	0.65
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB3	17	0.65
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB1	17	0.65
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB2	17	0.65
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB3	17	0.65
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB1	17	0.65
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB2	17	0.65
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB3	17	0.65
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	2	0.65
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	2	0.65
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	2	0.65
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	19	0.65
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	19	0.65
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	19	0.65
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	8	0.65
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	18	0.65
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	18	0.65
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	18	0.65
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	18	0.65
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	18	0.65
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	18	0.65
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	18	0.65
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	18	0.65
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	18	0.65
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	4	0.65
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	4	0.65
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	12	0.65
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	4	0.65
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	4	0.65
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	4	0.65
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	10	0.65
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	10	0.65
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	10	0.65
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	14	0.65
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	14	0.65
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	14	0.65
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	7	0.65
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	7	0.65
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	7	0.65
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	13	0.65
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	13	0.65
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	13	0.65
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	16	0.65
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	16	0.65
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	16	0.65
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	18	0.65
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	18	0.65
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	18	0.65
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	19	0.65
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	19	0.65
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	19	0.65
(1,3185)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	1	0.64
(1,3185)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	1	0.64
(1,3185)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	1	0.64
(1,3184)	1:76:B:VAL:HG21	1:72:A:GLN:HE21	5	0.64
(1,3184)	1:76:B:VAL:HG22	1:72:A:GLN:HE21	5	0.64
(1,3184)	1:76:B:VAL:HG23	1:72:A:GLN:HE21	5	0.64
(1,3181)	1:76:A:VAL:HG11	1:72:B:GLN:HE21	20	0.64
(1,3181)	1:76:A:VAL:HG12	1:72:B:GLN:HE21	20	0.64
(1,3181)	1:76:A:VAL:HG13	1:72:B:GLN:HE21	20	0.64
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG11	1	0.64
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG12	1	0.64
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG13	1	0.64
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG11	20	0.64
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG12	20	0.64
(1,3167)	1:72:B:GLN:HE21	1:76:A:VAL:HG13	20	0.64
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG21	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG22	5	0.64
(1,3166)	1:72:A:GLN:HE21	1:76:B:VAL:HG23	5	0.64
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	4	0.64
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	4	0.64
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	4	0.64
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	4	0.64
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	4	0.64
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	4	0.64
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB1	1	0.64
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB2	1	0.64
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB3	1	0.64
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB1	1	0.64
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB2	1	0.64
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB3	1	0.64
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB1	1	0.64
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB2	1	0.64
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB3	1	0.64
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	5	0.64
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	5	0.64
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	5	0.64
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	13	0.64
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	13	0.64
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	13	0.64
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	12	0.64
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	18	0.64
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	17	0.64
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	17	0.64
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	17	0.64
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	17	0.64
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	17	0.64
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	17	0.64
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	17	0.64
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	17	0.64
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	17	0.64
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	18	0.64
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	18	0.64
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	18	0.64
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	18	0.64
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	18	0.64
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	18	0.64
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	18	0.64
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	18	0.64
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	3	0.64
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	3	0.64
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	3	0.64
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	19	0.64
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	19	0.64
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	19	0.64
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	10	0.64
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	10	0.64
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	10	0.64
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	5	0.64
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	5	0.64
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	5	0.64
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	3	0.64
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	3	0.64
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	3	0.64
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	14	0.64
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	14	0.64
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	14	0.64
(1,3196)	1:87:B:ASN:HD21	1:72:A:GLN:H	18	0.63
(1,3196)	1:87:B:ASN:HD22	1:72:A:GLN:H	18	0.63
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD21	18	0.63
(1,3159)	1:72:A:GLN:H	1:87:B:ASN:HD22	18	0.63
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	5	0.63
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	5	0.63
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	5	0.63
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	5	0.63
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	5	0.63
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	5	0.63
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	9	0.63
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	9	0.63
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	9	0.63
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	6	0.63
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	6	0.63
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	6	0.63
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	13	0.63
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	13	0.63
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	13	0.63
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	2	0.63
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	19	0.63
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	19	0.63
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	19	0.63
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	19	0.63
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	19	0.63
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	19	0.63
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	19	0.63
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	19	0.63
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	11	0.63
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	11	0.63
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	11	0.63
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	2	0.63
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	2	0.63
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	2	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	8	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	8	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	8	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	8	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	8	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	8	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	8	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	8	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	8	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	9	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	9	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	9	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	9	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	9	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	9	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	9	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	9	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	9	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	12	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	12	0.63
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	12	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	12	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	12	0.63
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	12	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	12	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	12	0.63
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	12	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	9	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	9	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	9	0.63
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	9	0.63
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	9	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	9	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	9	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	9	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	13	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	13	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	13	0.63
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	13	0.63
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	13	0.63
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	13	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	13	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	13	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	13	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	15	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	15	0.63
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	15	0.63
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	15	0.63
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	15	0.63
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	15	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	15	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	15	0.63
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	15	0.63
(1,1820)	1:44:B:PHE:HA	1:82:B:THR:HA	19	0.63
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	5	0.63
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	5	0.63
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	5	0.63
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	6	0.63
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	6	0.63
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	6	0.63
(1,1344)	1:37:B:LEU:HD21	1:38:B:GLN:H	17	0.63
(1,1344)	1:37:B:LEU:HD22	1:38:B:GLN:H	17	0.63
(1,1344)	1:37:B:LEU:HD23	1:38:B:GLN:H	17	0.63
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	5	0.63
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	5	0.63
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	5	0.63
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	17	0.63
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	17	0.63
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	17	0.63
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	20	0.63
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	20	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	20	0.63
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	15	0.63
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	15	0.63
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	15	0.63
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	17	0.63
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	17	0.63
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	17	0.63
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	14	0.63
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	14	0.63
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	9	0.62
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	9	0.62
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	9	0.62
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	9	0.62
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	9	0.62
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	9	0.62
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	10	0.62
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	10	0.62
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	10	0.62
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	10	0.62
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	10	0.62
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	10	0.62
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB1	14	0.62
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB2	14	0.62
(1,2715)	1:76:A:VAL:HG11	1:79:A:ALA:HB3	14	0.62
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB1	14	0.62
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB2	14	0.62
(1,2715)	1:76:A:VAL:HG12	1:79:A:ALA:HB3	14	0.62
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB1	14	0.62
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB2	14	0.62
(1,2715)	1:76:A:VAL:HG13	1:79:A:ALA:HB3	14	0.62
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	15	0.62
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	15	0.62
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	15	0.62
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	19	0.62
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	19	0.62
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	19	0.62
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	1	0.62
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	6	0.62
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD21	17	0.62
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD22	17	0.62
(1,1948)	1:44:B:PHE:HA	1:45:B:LEU:HD23	17	0.62
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	4	0.62
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	4	0.62
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	4	0.62
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	4	0.62
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	4	0.62
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	4	0.62
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	4	0.62
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	4	0.62
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	10	0.62
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	10	0.62
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	10	0.62
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	10	0.62
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	10	0.62
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	10	0.62
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	10	0.62
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	10	0.62
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	10	0.62
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	12	0.62
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	12	0.62
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	12	0.62
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	12	0.62
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	12	0.62
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	12	0.62
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	12	0.62
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	12	0.62
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	12	0.62
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	10	0.62
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	1	0.62
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	1	0.62
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	1	0.62
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	4	0.62
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	4	0.62
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	4	0.62
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	17	0.62
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	17	0.62
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	17	0.62
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	20	0.62
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	20	0.62
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	20	0.62
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	11	0.62
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	20	0.62
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	14	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	14	0.61
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	14	0.61
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	14	0.61
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	14	0.61
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	14	0.61
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	6	0.61
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	6	0.61
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	6	0.61
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD11	9	0.61
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD12	9	0.61
(1,3141)	1:15:A:PHE:H	1:4:B:LEU:HD13	9	0.61
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	6	0.61
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	6	0.61
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	6	0.61
(1,3119)	1:4:B:LEU:HD11	1:15:A:PHE:H	9	0.61
(1,3119)	1:4:B:LEU:HD12	1:15:A:PHE:H	9	0.61
(1,3119)	1:4:B:LEU:HD13	1:15:A:PHE:H	9	0.61
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB1	4	0.61
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB2	4	0.61
(1,2717)	1:76:B:VAL:HG11	1:79:B:ALA:HB3	4	0.61
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB1	4	0.61
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB2	4	0.61
(1,2717)	1:76:B:VAL:HG12	1:79:B:ALA:HB3	4	0.61
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB1	4	0.61
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB2	4	0.61
(1,2717)	1:76:B:VAL:HG13	1:79:B:ALA:HB3	4	0.61
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	4	0.61
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	4	0.61
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	4	0.61
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	14	0.61
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	14	0.61
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	14	0.61
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	7	0.61
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	5	0.61
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	5	0.61
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	5	0.61
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	5	0.61
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	5	0.61
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	5	0.61
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	5	0.61
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	5	0.61
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	20	0.61
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	20	0.61
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	20	0.61
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	20	0.61
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	20	0.61
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	20	0.61
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	20	0.61
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	20	0.61
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	20	0.61
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	18	0.61
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	18	0.61
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	18	0.61
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	18	0.61
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	18	0.61
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	18	0.61
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	18	0.61
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	18	0.61
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	18	0.61
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	6	0.61
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	6	0.61
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	6	0.61
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	6	0.61
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	6	0.61
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	6	0.61
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	6	0.61
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	6	0.61
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	6	0.61
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	3	0.61
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	3	0.61
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	3	0.61
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	7	0.61
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	7	0.61
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	7	0.61
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	16	0.61
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	16	0.61
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	16	0.61
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	12	0.61
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	12	0.61
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	12	0.61
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	10	0.61
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	20	0.61
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	4	0.6
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	4	0.6
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	4	0.6
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	10	0.6
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	10	0.6
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	10	0.6
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	3	0.6
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	3	0.6
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	3	0.6
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	6	0.6
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	6	0.6
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	6	0.6
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	20	0.6
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	20	0.6
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	20	0.6
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	11	0.6
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	11	0.6
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	11	0.6
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	18	0.6
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	18	0.6
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	18	0.6
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	18	0.6
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	18	0.6
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	18	0.6
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	18	0.6
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	18	0.6
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	18	0.6
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD21	12	0.6
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD22	12	0.6
(1,2090)	1:38:B:GLN:HG3	1:45:B:LEU:HD23	12	0.6
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	5	0.6
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	5	0.6
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	5	0.6
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	5	0.6
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	5	0.6
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	5	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	5	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	5	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	5	0.6
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	19	0.6
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	19	0.6
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	19	0.6
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	19	0.6
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	19	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	19	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	19	0.6
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	19	0.6
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	14	0.6
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	14	0.6
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	14	0.6
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	8	0.6
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	1	0.6
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	10	0.59
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	10	0.59
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	10	0.59
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	1	0.59
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	1	0.59
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	1	0.59
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	8	0.59
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	8	0.59
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	8	0.59
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	10	0.59
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	10	0.59
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	10	0.59
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	1	0.59
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	1	0.59
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	1	0.59
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	8	0.59
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	8	0.59
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	8	0.59
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	2	0.59
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	2	0.59
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	2	0.59
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	2	0.59
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	2	0.59
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	2	0.59
(1,2290)	1:41:B:LEU:HD21	1:78:B:VAL:HA	5	0.59
(1,2290)	1:41:B:LEU:HD22	1:78:B:VAL:HA	5	0.59
(1,2290)	1:41:B:LEU:HD23	1:78:B:VAL:HA	5	0.59
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	19	0.59
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	19	0.59
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	19	0.59
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	4	0.59
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	4	0.59
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD21	4	0.59
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD22	4	0.59
(1,703)	1:44:A:PHE:H	1:45:A:LEU:HD23	4	0.59
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	9	0.59
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	9	0.59
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	9	0.59
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	2	0.59
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	2	0.59
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	2	0.59
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	19	0.59
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	19	0.59
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	1	0.59
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	14	0.59
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	7	0.59
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	8	0.59
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	11	0.59
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	11	0.59
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	11	0.59
(1,3185)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	20	0.58
(1,3185)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	20	0.58
(1,3185)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	20	0.58
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	6	0.58
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	6	0.58
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	6	0.58
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG11	20	0.58
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG12	20	0.58
(1,3171)	1:72:B:GLN:HE22	1:76:A:VAL:HG13	20	0.58
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	6	0.58
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	6	0.58
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	6	0.58
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	13	0.58
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	13	0.58
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	13	0.58
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	18	0.58
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	12	0.58
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	12	0.58
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	12	0.58
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	12	0.58
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	12	0.58
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	12	0.58
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	12	0.58
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	12	0.58
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	13	0.58
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	13	0.58
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	13	0.58
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	13	0.58
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	13	0.58
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	13	0.58
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	13	0.58
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	13	0.58
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	13	0.58
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	20	0.58
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	20	0.58
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	20	0.58
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	20	0.58
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	20	0.58
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	20	0.58
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	10	0.58
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	10	0.58
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	10	0.58
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	7	0.58
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	7	0.58
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	7	0.58
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	7	0.58
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	7	0.58
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	7	0.58
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	7	0.58
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	7	0.58
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	7	0.58
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	14	0.58
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	14	0.58
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	14	0.58
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	14	0.58
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	14	0.58
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	14	0.58
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	14	0.58
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	14	0.58
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	14	0.58
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	16	0.58
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	16	0.58
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	16	0.58
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	16	0.58
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	16	0.58
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	16	0.58
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	16	0.58
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	16	0.58
(1,1343)	1:37:A:LEU:HD21	1:38:A:GLN:H	3	0.58
(1,1343)	1:37:A:LEU:HD22	1:38:A:GLN:H	3	0.58
(1,1343)	1:37:A:LEU:HD23	1:38:A:GLN:H	3	0.58
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	2	0.58
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	2	0.58
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	2	0.58
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	6	0.58
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	9	0.58
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	20	0.57
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	20	0.57
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	20	0.57
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	20	0.57
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	20	0.57
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	20	0.57
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	17	0.57
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	17	0.57
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	17	0.57
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	1	0.57
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	1	0.57
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	1	0.57
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	17	0.57
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	17	0.57
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	17	0.57
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	17	0.57
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	17	0.57
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	17	0.57
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	17	0.57
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	17	0.57
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	17	0.57
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	5	0.57
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	5	0.57
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	5	0.57
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	5	0.57
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	5	0.57
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	5	0.57
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	5	0.57
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	5	0.57
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	5	0.57
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	6	0.57
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	6	0.57
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	6	0.57
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	6	0.57
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	6	0.57
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	6	0.57
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	6	0.57
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	6	0.57
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	6	0.57
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	7	0.57
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	7	0.57
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	7	0.57
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	7	0.57
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	7	0.57
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	7	0.57
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	7	0.57
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	7	0.57
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	7	0.57
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	19	0.57
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	19	0.57
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	19	0.57
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	19	0.57
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	19	0.57
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	19	0.57
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	19	0.57
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	19	0.57
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	19	0.57
(1,1819)	1:44:A:PHE:HA	1:82:A:THR:HA	9	0.57
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	14	0.57
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	14	0.57
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	14	0.57
(1,840)	1:44:B:PHE:H	1:45:B:LEU:HB2	12	0.57
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	2	0.57
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	2	0.57
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	2	0.57
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	5	0.57
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	4	0.57
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	4	0.57
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	6	0.57
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	10	0.57
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	10	0.57
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	5	0.57
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	5	0.57
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	8	0.57
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	8	0.57
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	7	0.57
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	13	0.57
(1,3193)	1:87:A:ASN:HD21	1:71:B:PHE:H	15	0.56
(1,3193)	1:87:A:ASN:HD22	1:71:B:PHE:H	15	0.56
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD21	15	0.56
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD22	15	0.56
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	11	0.56
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	11	0.56
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	11	0.56
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	11	0.56
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	11	0.56
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	11	0.56
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	8	0.56
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	8	0.56
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	8	0.56
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	7	0.56
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	7	0.56
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	7	0.56
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	4	0.56
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	4	0.56
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	4	0.56
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	4	0.56
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	4	0.56
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	4	0.56
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	15	0.56
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	15	0.56
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	15	0.56
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	15	0.56
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	15	0.56
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	15	0.56
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	15	0.56
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	15	0.56
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	15	0.56
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	11	0.56
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	11	0.56
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	11	0.56
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	11	0.56
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	11	0.56
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	11	0.56
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	11	0.56
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	11	0.56
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	1	0.56
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	1	0.56
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	1	0.56
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	4	0.56
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	4	0.56
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	4	0.56
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	1	0.56
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	1	0.56
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	1	0.56
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	18	0.56
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	18	0.56
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	18	0.56
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	19	0.56
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	15	0.56
(1,3182)	1:76:A:VAL:HG21	1:72:B:GLN:HE21	13	0.55
(1,3182)	1:76:A:VAL:HG22	1:72:B:GLN:HE21	13	0.55
(1,3182)	1:76:A:VAL:HG23	1:72:B:GLN:HE21	13	0.55
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG21	13	0.55
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG22	13	0.55
(1,3168)	1:72:B:GLN:HE21	1:76:A:VAL:HG23	13	0.55
(1,3142)	1:15:A:PHE:H	1:4:B:LEU:HD21	6	0.55
(1,3142)	1:15:A:PHE:H	1:4:B:LEU:HD22	6	0.55
(1,3142)	1:15:A:PHE:H	1:4:B:LEU:HD23	6	0.55
(1,3120)	1:4:B:LEU:HD21	1:15:A:PHE:H	6	0.55
(1,3120)	1:4:B:LEU:HD22	1:15:A:PHE:H	6	0.55
(1,3120)	1:4:B:LEU:HD23	1:15:A:PHE:H	6	0.55
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	1	0.55
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	1	0.55
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	1	0.55
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	16	0.55
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	16	0.55
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	16	0.55
(1,2482)	1:14:B:VAL:HG21	1:18:B:HIS:HD2	13	0.55
(1,2482)	1:14:B:VAL:HG22	1:18:B:HIS:HD2	13	0.55
(1,2482)	1:14:B:VAL:HG23	1:18:B:HIS:HD2	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	17	0.55
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	17	0.55
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	17	0.55
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	11	0.55
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	15	0.55
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	1	0.55
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	1	0.55
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	1	0.55
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	1	0.55
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	1	0.55
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	1	0.55
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	1	0.55
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	1	0.55
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	1	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	4	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	4	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	4	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	4	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	4	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	4	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	4	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	4	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	4	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	14	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	14	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	14	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	14	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	14	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	14	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	14	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	14	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	14	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	20	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	20	0.55
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	20	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	20	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	20	0.55
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	20	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	20	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	20	0.55
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	20	0.55
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	9	0.55
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	14	0.55
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	14	0.55
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	20	0.54
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	20	0.54
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	20	0.54
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	20	0.54
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	3	0.54
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	3	0.54
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	3	0.54
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	16	0.54
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	16	0.54
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	16	0.54
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD11	6	0.54
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD12	6	0.54
(1,3143)	1:15:B:PHE:H	1:4:A:LEU:HD13	6	0.54
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	3	0.54
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	3	0.54
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	3	0.54
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	16	0.54
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	16	0.54
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	16	0.54
(1,3117)	1:4:A:LEU:HD11	1:15:B:PHE:H	6	0.54
(1,3117)	1:4:A:LEU:HD12	1:15:B:PHE:H	6	0.54
(1,3117)	1:4:A:LEU:HD13	1:15:B:PHE:H	6	0.54
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	10	0.54
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	10	0.54
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	10	0.54
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	10	0.54
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	10	0.54
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	10	0.54
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	2	0.54
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	2	0.54
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	2	0.54
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	9	0.54
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	10	0.54
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	3	0.54
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	3	0.54
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	3	0.54
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	3	0.54
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	3	0.54
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	3	0.54
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	3	0.54
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	3	0.54
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	13	0.54
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	13	0.54
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	13	0.54
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	13	0.54
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	13	0.54
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	13	0.54
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	13	0.54
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	13	0.54
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	13	0.54
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	18	0.54
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	18	0.54
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	18	0.54
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	4	0.54
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	4	0.54
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	17	0.54
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	17	0.54
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	2	0.54
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	13	0.54
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	10	0.54
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	6	0.54
(1,3194)	1:87:B:ASN:HD21	1:71:A:PHE:H	1	0.53
(1,3194)	1:87:B:ASN:HD22	1:71:A:PHE:H	1	0.53
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD21	1	0.53
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD22	1	0.53
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	7	0.53
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	7	0.53
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	7	0.53
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	16	0.53
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	16	0.53
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	16	0.53
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	8	0.53
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	8	0.53
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	8	0.53
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	8	0.53
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	11	0.53
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	11	0.53
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	11	0.53
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	8	0.53
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	8	0.53
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	8	0.53
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	8	0.53
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	8	0.53
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	10	0.53
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	10	0.53
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	10	0.53
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	19	0.53
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	5	0.53
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	5	0.53
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	5	0.53
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	5	0.53
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	5	0.53
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	5	0.53
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	5	0.53
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	5	0.53
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	5	0.53
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	2	0.53
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	2	0.53
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	2	0.53
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	2	0.53
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	2	0.53
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	2	0.53
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	2	0.53
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	2	0.53
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	2	0.53
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	18	0.53
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	18	0.53
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	18	0.53
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	4	0.53
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	4	0.53
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	4	0.53
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	5	0.53
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	5	0.53
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	15	0.52
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	15	0.52
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	15	0.52
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	15	0.52
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	15	0.52
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	15	0.52
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD11	10	0.52
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD12	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3153)	1:41:A:LEU:HG	1:4:B:LEU:HD13	10	0.52
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	15	0.52
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	15	0.52
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	15	0.52
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	20	0.52
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	20	0.52
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	20	0.52
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	20	0.52
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	20	0.52
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	20	0.52
(1,3131)	1:4:B:LEU:HD11	1:41:A:LEU:HG	10	0.52
(1,3131)	1:4:B:LEU:HD12	1:41:A:LEU:HG	10	0.52
(1,3131)	1:4:B:LEU:HD13	1:41:A:LEU:HG	10	0.52
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	20	0.52
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	20	0.52
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	20	0.52
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	15	0.52
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	15	0.52
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	15	0.52
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	20	0.52
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	20	0.52
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	20	0.52
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	9	0.52
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	9	0.52
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	2	0.52
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	2	0.52
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	2	0.52
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	11	0.52
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	11	0.52
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	11	0.52
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	7	0.52
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	7	0.52
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	7	0.52
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	11	0.52
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	11	0.52
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	11	0.52
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	4	0.52
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	9	0.52
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	9	0.52
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	9	0.52
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	9	0.52
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	9	0.52
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	9	0.52
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	9	0.52
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	9	0.52
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	2	0.52
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	2	0.52
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	2	0.52
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	2	0.52
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	2	0.52
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	2	0.52
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	2	0.52
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	2	0.52
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	2	0.52
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	19	0.52
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	19	0.52
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	19	0.52
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	19	0.52
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	19	0.52
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	19	0.52
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	17	0.52
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	1	0.52
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	2	0.52
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	3	0.52
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	4	0.52
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	9	0.52
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	11	0.52
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	15	0.52
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	1	0.52
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	4	0.52
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	10	0.52
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	10	0.52
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	19	0.52
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	19	0.52
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	20	0.52
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	20	0.52
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG21	7	0.52
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG22	7	0.52
(1,391)	1:72:A:GLN:H	1:75:A:VAL:HG23	7	0.52
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	2	0.52
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	5	0.51
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	5	0.51
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	5	0.51
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	5	0.51
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	5	0.51
(1,2964)	1:75:B:VAL:HB	1:76:A:VAL:HA	1	0.51
(1,2964)	1:75:B:VAL:HB	1:76:A:VAL:HA	4	0.51
(1,2964)	1:75:B:VAL:HB	1:76:A:VAL:HA	8	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	3	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	5	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	6	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	10	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	11	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	14	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	15	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	19	0.51
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	20	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	3	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	5	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	6	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	10	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	11	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	14	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	15	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	19	0.51
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	20	0.51
(1,2961)	1:76:A:VAL:HA	1:75:B:VAL:HB	1	0.51
(1,2961)	1:76:A:VAL:HA	1:75:B:VAL:HB	4	0.51
(1,2961)	1:76:A:VAL:HA	1:75:B:VAL:HB	8	0.51
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG21	11	0.51
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG22	11	0.51
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG23	11	0.51
(1,2946)	1:78:B:VAL:HG21	1:8:A:MET:HG2	11	0.51
(1,2946)	1:78:B:VAL:HG22	1:8:A:MET:HG2	11	0.51
(1,2946)	1:78:B:VAL:HG23	1:8:A:MET:HG2	11	0.51
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	3	0.51
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	3	0.51
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	3	0.51
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	7	0.51
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	7	0.51
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	7	0.51
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	18	0.51
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	18	0.51
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE1	16	0.51
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE2	16	0.51
(1,2430)	1:54:B:VAL:HG11	1:58:B:MET:HE3	16	0.51
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE1	16	0.51
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE2	16	0.51
(1,2430)	1:54:B:VAL:HG12	1:58:B:MET:HE3	16	0.51
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE1	16	0.51
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE2	16	0.51
(1,2430)	1:54:B:VAL:HG13	1:58:B:MET:HE3	16	0.51
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	13	0.51
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	13	0.51
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	13	0.51
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	10	0.51
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	9	0.51
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	19	0.51
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	19	0.51
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	19	0.51
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	19	0.51
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	19	0.51
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	19	0.51
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	19	0.51
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	19	0.51
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	19	0.51
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	15	0.51
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	4	0.51
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	4	0.51
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	4	0.51
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	20	0.51
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	20	0.51
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	20	0.51
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	3	0.51
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	3	0.51
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	3	0.51
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	10	0.51
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	10	0.51
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	10	0.51
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	12	0.51
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	12	0.51
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	12	0.51
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	19	0.51
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	19	0.51
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	18	0.51
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	18	0.51
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	18	0.51
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	10	0.51
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	7	0.51
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	8	0.51
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	10	0.51
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	14	0.51
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	20	0.51
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	2	0.51
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	3	0.51
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	8	0.51
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	10	0.51
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	11	0.51
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	12	0.51
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	14	0.51
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	15	0.51
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	3	0.51
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	13	0.51
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	13	0.51
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	3	0.51
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	3	0.51
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	5	0.51
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	5	0.51
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	5	0.51
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	1	0.51
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	8	0.51
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	9	0.51
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	12	0.51
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	13	0.51
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	15	0.51
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	18	0.51
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	19	0.51
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	1	0.51
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	2	0.51
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	8	0.51
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	9	0.51
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	11	0.51
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	15	0.51
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	18	0.51
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	7	0.5
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	7	0.5
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	7	0.5
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	7	0.5
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	7	0.5
(1,2964)	1:75:B:VAL:HB	1:76:A:VAL:HA	2	0.5
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	13	0.5
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	16	0.5
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	17	0.5
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	13	0.5
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	16	0.5
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	17	0.5
(1,2961)	1:76:A:VAL:HA	1:75:B:VAL:HB	2	0.5
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG21	15	0.5
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG22	15	0.5
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG23	15	0.5
(1,2946)	1:78:B:VAL:HG21	1:8:A:MET:HG2	15	0.5
(1,2946)	1:78:B:VAL:HG22	1:8:A:MET:HG2	15	0.5
(1,2946)	1:78:B:VAL:HG23	1:8:A:MET:HG2	15	0.5
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	16	0.5
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	16	0.5
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	16	0.5
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	2	0.5
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	2	0.5
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	2	0.5
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	3	0.5
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	3	0.5
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	3	0.5
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	8	0.5
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	8	0.5
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	8	0.5
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	10	0.5
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	10	0.5
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	10	0.5
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	18	0.5
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	18	0.5
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	18	0.5
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	1	0.5
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	1	0.5
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	1	0.5
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	17	0.5
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	17	0.5
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	11	0.5
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	11	0.5
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	11	0.5
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	13	0.5
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	13	0.5
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	13	0.5
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	18	0.5
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	18	0.5
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	18	0.5
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	5	0.5
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	5	0.5
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	5	0.5
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	20	0.5
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	20	0.5
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	20	0.5
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	17	0.5
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	16	0.5
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	17	0.5
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	20	0.5
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	5	0.5
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	5	0.5
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	5	0.5
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	5	0.5
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	5	0.5
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	5	0.5
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	14	0.5
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	14	0.5
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	14	0.5
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	1	0.5
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	18	0.5
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	13	0.5
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	13	0.5
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	13	0.5
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	1	0.5
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	1	0.5
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	16	0.5
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	3	0.5
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	11	0.5
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	20	0.5
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	14	0.5
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	16	0.49
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	16	0.49
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	16	0.49
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	16	0.49
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	16	0.49
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	2	0.49
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	2	0.49
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	2	0.49
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	15	0.49
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	15	0.49
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	15	0.49
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	2	0.49
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	2	0.49
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	2	0.49
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	15	0.49
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	15	0.49
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	15	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	4	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	4	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	4	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	7	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	7	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	7	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	12	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	12	0.49
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	12	0.49
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	5	0.49
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	5	0.49
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	5	0.49
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	12	0.49
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	12	0.49
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	12	0.49
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	1	0.49
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	1	0.49
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	1	0.49
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	1	0.49
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	1	0.49
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	1	0.49
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	12	0.49
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	12	0.49
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	12	0.49
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	14	0.49
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	14	0.49
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	15	0.49
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	15	0.49
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	15	0.49
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	16	0.49
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	16	0.49
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	16	0.49
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	18	0.49
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	18	0.49
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	18	0.49
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	5	0.49
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	5	0.49
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	5	0.49
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	12	0.49
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	12	0.49
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	12	0.49
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	20	0.49
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	20	0.49
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	20	0.49
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	16	0.49
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	16	0.49
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	16	0.49
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	16	0.49
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	16	0.49
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	16	0.49
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	16	0.49
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	16	0.49
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	16	0.49
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	1	0.49
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	1	0.49
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	1	0.49
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	1	0.49
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	1	0.49
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	1	0.49
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	1	0.49
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	1	0.49
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	1	0.49
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	10	0.49
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	10	0.49
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	10	0.49
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	10	0.49
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	10	0.49
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG21	15	0.49
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG22	15	0.49
(1,2227)	1:48:A:GLN:HG2	1:54:A:VAL:HG23	15	0.49
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	2	0.49
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	2	0.49
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	2	0.49
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	8	0.49
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	8	0.49
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	8	0.49
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	17	0.49
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	17	0.49
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	17	0.49
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	4	0.49
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	4	0.49
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	4	0.49
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	20	0.49
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	20	0.49
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	20	0.49
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	11	0.49
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	11	0.49
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	11	0.49
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	11	0.49
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	11	0.49
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	11	0.49
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	11	0.49
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	11	0.49
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	11	0.49
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	3	0.49
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	3	0.49
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	3	0.49
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	3	0.49
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	3	0.49
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	3	0.49
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	3	0.49
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	3	0.49
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	3	0.49
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	7	0.49
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	7	0.49
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	7	0.49
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	7	0.49
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	7	0.49
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	7	0.49
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	7	0.49
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	7	0.49
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	7	0.49
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	7	0.49
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	7	0.49
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	7	0.49
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	9	0.49
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	16	0.49
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	16	0.49
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	16	0.49
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	4	0.49
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	8	0.49
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	9	0.49
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	15	0.49
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	17	0.49
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	19	0.49
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	20	0.49
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	2	0.49
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	2	0.49
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	2	0.49
(1,608)	1:47:B:ALA:H	1:48:B:GLN:HG3	15	0.49
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	20	0.49
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	20	0.49
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	12	0.49
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	5	0.49
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	12	0.49
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	3	0.49
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	3	0.48
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	3	0.48
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	3	0.48
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	14	0.48
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	14	0.48
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	14	0.48
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	17	0.48
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	17	0.48
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	17	0.48
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	14	0.48
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	14	0.48
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	14	0.48
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	17	0.48
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	17	0.48
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	3	0.48
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	3	0.48
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	3	0.48
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	5	0.48
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	5	0.48
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	5	0.48
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	5	0.48
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	5	0.48
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	5	0.48
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	14	0.48
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	14	0.48
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	14	0.48
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	6	0.48
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	6	0.48
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	6	0.48
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	3	0.48
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	3	0.48
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	3	0.48
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	7	0.48
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	7	0.48
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	7	0.48
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	16	0.48
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	16	0.48
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	16	0.48
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	19	0.48
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	19	0.48
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	19	0.48
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	13	0.48
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	13	0.48
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	13	0.48
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	13	0.48
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	13	0.48
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	13	0.48
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	13	0.48
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	13	0.48
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	13	0.48
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	1	0.48
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	1	0.48
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	1	0.48
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	3	0.48
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	3	0.48
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	8	0.48
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	8	0.48
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	8	0.48
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	18	0.48
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	18	0.48
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	18	0.48
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	6	0.48
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	6	0.48
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	6	0.48
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	6	0.48
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	6	0.48
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	6	0.48
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	6	0.48
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	6	0.48
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	6	0.48
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	5	0.48
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	5	0.48
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	5	0.48
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	3	0.48
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	3	0.48
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	3	0.48
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	18	0.48
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	18	0.48
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	18	0.48
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	6	0.48
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	7	0.48
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	13	0.48
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	10	0.48
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	12	0.48
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	15	0.48
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	15	0.48
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	15	0.48
(1,671)	1:47:A:ALA:H	1:48:A:GLN:HG2	1	0.48
(1,608)	1:47:B:ALA:H	1:48:B:GLN:HG3	2	0.48
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	1	0.48
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	1	0.48
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	1	0.48
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	8	0.48
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	8	0.48
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	11	0.48
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	11	0.48
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	11	0.48
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	15	0.48
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	15	0.48
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	15	0.48
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	19	0.48
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	1	0.48
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	1	0.48
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	19	0.48
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	19	0.48
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	4	0.48
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	1	0.48
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	4	0.48
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	7	0.48
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	13	0.47
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	13	0.47
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	13	0.47
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	13	0.47
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	5	0.47
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	5	0.47
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	5	0.47
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	5	0.47
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	5	0.47
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	5	0.47
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	16	0.47
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	16	0.47
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	13	0.47
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	13	0.47
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	13	0.47
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	10	0.47
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	10	0.47
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	10	0.47
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	14	0.47
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	14	0.47
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	14	0.47
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	14	0.47
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	14	0.47
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	14	0.47
(1,2613)	1:28:B:LEU:HD11	1:69:B:VAL:H	20	0.47
(1,2613)	1:28:B:LEU:HD12	1:69:B:VAL:H	20	0.47
(1,2613)	1:28:B:LEU:HD13	1:69:B:VAL:H	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	4	0.47
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	4	0.47
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	4	0.47
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	1	0.47
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	1	0.47
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	1	0.47
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	15	0.47
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	15	0.47
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	15	0.47
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	15	0.47
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	15	0.47
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	15	0.47
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	15	0.47
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	15	0.47
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	15	0.47
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	11	0.47
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	7	0.47
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	7	0.47
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	7	0.47
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	10	0.47
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	10	0.47
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	10	0.47
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	15	0.47
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	15	0.47
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	15	0.47
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	5	0.47
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	5	0.47
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	5	0.47
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	6	0.47
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	6	0.47
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	6	0.47
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	14	0.47
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	14	0.47
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	14	0.47
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	16	0.47
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	16	0.47
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	16	0.47
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	14	0.47
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	6	0.47
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	6	0.47
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	6	0.47
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	9	0.47
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	9	0.47
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	2	0.47
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	2	0.47
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	2	0.47
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	3	0.47
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	3	0.47
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	3	0.47
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	5	0.47
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	6	0.47
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	13	0.47
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	13	0.47
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	13	0.47
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	6	0.47
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	11	0.47
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	14	0.47
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	3	0.47
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	6	0.47
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	8	0.47
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	9	0.47
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	16	0.47
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	17	0.47
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	20	0.47
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	3	0.47
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	3	0.47
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	3	0.47
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	12	0.47
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	12	0.47
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	12	0.47
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	6	0.47
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	6	0.47
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	6	0.47
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	4	0.47
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	4	0.47
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	4	0.47
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	9	0.47
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	9	0.47
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	9	0.47
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	15	0.47
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	15	0.47
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	3	0.47
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	19	0.47
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	16	0.47
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	5	0.46
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	5	0.46
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	5	0.46
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	5	0.46
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	5	0.46
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	5	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG21	9	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG22	9	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG23	9	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG21	20	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG22	20	0.46
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG23	20	0.46
(1,2946)	1:78:B:VAL:HG21	1:8:A:MET:HG2	9	0.46
(1,2946)	1:78:B:VAL:HG22	1:8:A:MET:HG2	9	0.46
(1,2946)	1:78:B:VAL:HG23	1:8:A:MET:HG2	9	0.46
(1,2946)	1:78:B:VAL:HG21	1:8:A:MET:HG2	20	0.46
(1,2946)	1:78:B:VAL:HG22	1:8:A:MET:HG2	20	0.46
(1,2946)	1:78:B:VAL:HG23	1:8:A:MET:HG2	20	0.46
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	16	0.46
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	16	0.46
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	16	0.46
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	1	0.46
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	1	0.46
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	1	0.46
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	18	0.46
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	18	0.46
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	18	0.46
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	17	0.46
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	17	0.46
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	17	0.46
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	7	0.46
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	7	0.46
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	7	0.46
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	8	0.46
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	8	0.46
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	8	0.46
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	6	0.46
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	6	0.46
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	6	0.46
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	9	0.46
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	9	0.46
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	6	0.46
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	10	0.46
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	10	0.46
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	10	0.46
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	10	0.46
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	10	0.46
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	10	0.46
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	5	0.46
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	5	0.46
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	5	0.46
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	2	0.46
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	2	0.46
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	2	0.46
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	7	0.46
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	7	0.46
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	7	0.46
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	12	0.46
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	12	0.46
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	12	0.46
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	15	0.46
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	15	0.46
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	15	0.46
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	3	0.46
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	11	0.46
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	11	0.46
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	11	0.46
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	11	0.46
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	11	0.46
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	11	0.46
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	16	0.46
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	16	0.46
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	16	0.46
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	1	0.46
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	1	0.46
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	1	0.46
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	8	0.46
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	8	0.46
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	8	0.46
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	11	0.46
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	11	0.46
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	12	0.46
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	12	0.46
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	12	0.46
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	8	0.46
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	8	0.46
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	8	0.46
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	11	0.46
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	11	0.46
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	11	0.46
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	13	0.46
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	13	0.46
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	13	0.46
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	14	0.46
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	14	0.46
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	14	0.46
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	17	0.46
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	17	0.46
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	17	0.46
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	19	0.46
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	19	0.46
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	19	0.46
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	2	0.46
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	2	0.46
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	2	0.46
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	6	0.46
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	6	0.46
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	6	0.46
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	9	0.46
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	9	0.46
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	9	0.46
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	19	0.46
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	19	0.46
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	19	0.46
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	20	0.46
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	20	0.46
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	20	0.46
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	2	0.46
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	10	0.46
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	16	0.46
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	2	0.46
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	7	0.46
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	13	0.46
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	14	0.46
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	18	0.46
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	19	0.46
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	11	0.46
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	11	0.46
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	11	0.46
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	18	0.46
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	18	0.46
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	18	0.46
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	3	0.46
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	3	0.46
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	3	0.46
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	8	0.46
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	8	0.46
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	8	0.46
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	1	0.46
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	1	0.46
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	1	0.46
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	3	0.46
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	3	0.46
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	3	0.46
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	4	0.46
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	4	0.46
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	4	0.46
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	7	0.46
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	7	0.46
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	7	0.46
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	13	0.46
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	13	0.46
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	13	0.46
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	20	0.46
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	20	0.46
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	20	0.46
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	3	0.46
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	3	0.46
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	3	0.46
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	8	0.46
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	8	0.46
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	8	0.46
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	11	0.46
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	11	0.46
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	20	0.46
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	20	0.46
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	20	0.46
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	7	0.46
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	7	0.46
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	3	0.46
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	3	0.46
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	15	0.46
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	15	0.46
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	16	0.46
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	16	0.46
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	3	0.46
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	7	0.46
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	4	0.46
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	10	0.46
(1,3194)	1:87:B:ASN:HD21	1:71:A:PHE:H	10	0.45
(1,3194)	1:87:B:ASN:HD22	1:71:A:PHE:H	10	0.45
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	4	0.45
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	4	0.45
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	4	0.45
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	4	0.45
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	4	0.45
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	4	0.45
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD21	10	0.45
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD22	10	0.45
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG21	9	0.45
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG22	9	0.45
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG23	9	0.45
(1,2945)	1:78:A:VAL:HG21	1:8:B:MET:HG2	9	0.45
(1,2945)	1:78:A:VAL:HG22	1:8:B:MET:HG2	9	0.45
(1,2945)	1:78:A:VAL:HG23	1:8:B:MET:HG2	9	0.45
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	5	0.45
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	5	0.45
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	9	0.45
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	9	0.45
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	9	0.45
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	5	0.45
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	5	0.45
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	5	0.45
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	9	0.45
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	9	0.45
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	4	0.45
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	4	0.45
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	4	0.45
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	14	0.45
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	14	0.45
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	14	0.45
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	11	0.45
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	11	0.45
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	11	0.45
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	13	0.45
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	13	0.45
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	13	0.45
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	14	0.45
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	14	0.45
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	14	0.45
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	11	0.45
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	11	0.45
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	11	0.45
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	20	0.45
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	20	0.45
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	20	0.45
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD11	2	0.45
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD12	2	0.45
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD13	2	0.45
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	17	0.45
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	7	0.45
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	7	0.45
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	7	0.45
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	17	0.45
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	17	0.45
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	17	0.45
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	17	0.45
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	17	0.45
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	17	0.45
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	17	0.45
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	17	0.45
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	17	0.45
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	20	0.45
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	20	0.45
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	20	0.45
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	20	0.45
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	20	0.45
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	20	0.45
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	20	0.45
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	20	0.45
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	14	0.45
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	14	0.45
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	14	0.45
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	15	0.45
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	15	0.45
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	15	0.45
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	5	0.45
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	5	0.45
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	5	0.45
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	6	0.45
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	6	0.45
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	6	0.45
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	7	0.45
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	7	0.45
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	7	0.45
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	18	0.45
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	18	0.45
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	18	0.45
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	4	0.45
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	4	0.45
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	4	0.45
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	5	0.45
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	5	0.45
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	5	0.45
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	12	0.45
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	12	0.45
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	12	0.45
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	13	0.45
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	13	0.45
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	13	0.45
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	14	0.45
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	14	0.45
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	14	0.45
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	15	0.45
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	15	0.45
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	13	0.45
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	16	0.45
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	15	0.45
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	15	0.45
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	15	0.45
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	1	0.45
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	11	0.45
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	15	0.45
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	9	0.45
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	9	0.45
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	9	0.45
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	16	0.45
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	16	0.45
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	16	0.45
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	15	0.45
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	15	0.45
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	15	0.45
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	10	0.45
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	10	0.45
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	10	0.45
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	12	0.45
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	12	0.45
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	12	0.45
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	19	0.45
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	19	0.45
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	19	0.45
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	1	0.45
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	1	0.45
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	1	0.45
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	6	0.45
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	6	0.45
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	6	0.45
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	15	0.45
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	15	0.45
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	15	0.45
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	15	0.45
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	15	0.45
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	4	0.45
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	4	0.45
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	5	0.45
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	5	0.45
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	17	0.45
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	7	0.45
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	7	0.45
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	16	0.45
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	13	0.45
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	13	0.45
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	3	0.44
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	3	0.44
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	3	0.44
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	17	0.44
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	17	0.44
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	17	0.44
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	17	0.44
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	17	0.44
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	17	0.44
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	3	0.44
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	3	0.44
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	3	0.44
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD11	17	0.44
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD12	17	0.44
(1,3155)	1:41:B:LEU:HG	1:4:A:LEU:HD13	17	0.44
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	1	0.44
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	1	0.44
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	1	0.44
(1,3129)	1:4:A:LEU:HD11	1:41:B:LEU:HG	17	0.44
(1,3129)	1:4:A:LEU:HD12	1:41:B:LEU:HG	17	0.44
(1,3129)	1:4:A:LEU:HD13	1:41:B:LEU:HG	17	0.44
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	1	0.44
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	1	0.44
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	1	0.44
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG21	16	0.44
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG22	16	0.44
(1,2947)	1:8:A:MET:HG2	1:78:B:VAL:HG23	16	0.44
(1,2946)	1:78:B:VAL:HG21	1:8:A:MET:HG2	16	0.44
(1,2946)	1:78:B:VAL:HG22	1:8:A:MET:HG2	16	0.44
(1,2946)	1:78:B:VAL:HG23	1:8:A:MET:HG2	16	0.44
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	17	0.44
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	17	0.44
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	17	0.44
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	8	0.44
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	8	0.44
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	6	0.44
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	6	0.44
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	6	0.44
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	17	0.44
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	17	0.44
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	17	0.44
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	6	0.44
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	6	0.44
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	6	0.44
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	4	0.44
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	4	0.44
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	4	0.44
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	10	0.44
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	10	0.44
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	10	0.44
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	20	0.44
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	20	0.44
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	20	0.44
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	13	0.44
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	13	0.44
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	13	0.44
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	17	0.44
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	17	0.44
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	17	0.44
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	19	0.44
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	6	0.44
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	6	0.44
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	6	0.44
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	9	0.44
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	9	0.44
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	9	0.44
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	19	0.44
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	19	0.44
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	19	0.44
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG11	8	0.44
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG12	8	0.44
(1,1867)	1:12:A:ILE:HG21	1:14:A:VAL:HG13	8	0.44
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG11	8	0.44
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG12	8	0.44
(1,1867)	1:12:A:ILE:HG22	1:14:A:VAL:HG13	8	0.44
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG11	8	0.44
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG12	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:12:A:ILE:HG23	1:14:A:VAL:HG13	8	0.44
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	10	0.44
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	10	0.44
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	10	0.44
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	10	0.44
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	10	0.44
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	10	0.44
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	20	0.44
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	20	0.44
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	20	0.44
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	20	0.44
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	20	0.44
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	20	0.44
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	10	0.44
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	10	0.44
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	10	0.44
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	16	0.44
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	16	0.44
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	16	0.44
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	3	0.44
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	3	0.44
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	3	0.44
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	5	0.44
(1,1231)	1:45:A:LEU:HB2	1:46:A:ASP:H	5	0.44
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	8	0.44
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	8	0.44
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	8	0.44
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	20	0.44
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	20	0.44
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	20	0.44
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	2	0.44
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	2	0.44
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	2	0.44
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	17	0.44
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	17	0.44
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	17	0.44
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	18	0.44
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	18	0.44
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	18	0.44
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	16	0.44
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	16	0.44
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	9	0.44
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	9	0.44
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	9	0.44
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	2	0.44
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	2	0.44
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	2	0.44
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	9	0.44
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	9	0.44
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	9	0.44
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	14	0.44
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	14	0.44
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	14	0.44
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	16	0.44
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	16	0.44
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	16	0.44
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	17	0.44
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	17	0.44
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	17	0.44
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	2	0.44
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	2	0.44
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	2	0.44
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	7	0.44
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	7	0.44
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	7	0.44
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	10	0.44
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	10	0.44
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	10	0.44
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	12	0.44
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	12	0.44
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	12	0.44
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	14	0.44
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	14	0.44
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	14	0.44
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	16	0.44
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	16	0.44
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	16	0.44
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	18	0.44
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	18	0.44
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	18	0.44
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	14	0.44
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	7	0.44
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	16	0.44
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	16	0.44
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	5	0.44
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	14	0.44
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	19	0.44
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	8	0.43
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	8	0.43
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	10	0.43
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	10	0.43
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	10	0.43
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	10	0.43
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	10	0.43
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	10	0.43
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	8	0.43
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	8	0.43
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	15	0.43
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	15	0.43
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	15	0.43
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	19	0.43
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	19	0.43
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	19	0.43
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	16	0.43
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	16	0.43
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	16	0.43
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	7	0.43
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	7	0.43
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	7	0.43
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	11	0.43
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	11	0.43
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	11	0.43
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	9	0.43
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	19	0.43
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	19	0.43
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	19	0.43
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	1	0.43
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	1	0.43
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	1	0.43
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	20	0.43
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	8	0.43
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	12	0.43
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	15	0.43
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	11	0.43
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	20	0.43
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	16	0.43
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	16	0.43
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	16	0.43
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	16	0.43
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	16	0.43
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	16	0.43
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	16	0.43
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	16	0.43
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	16	0.43
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	8	0.43
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	8	0.43
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	8	0.43
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	10	0.43
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	10	0.43
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	10	0.43
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	7	0.43
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	7	0.43
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	7	0.43
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	5	0.43
(1,1232)	1:45:B:LEU:HB2	1:46:B:ASP:H	12	0.43
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	1	0.43
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	1	0.43
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	1	0.43
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	12	0.43
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	12	0.43
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	12	0.43
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	14	0.43
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	14	0.43
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	14	0.43
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	7	0.43
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	7	0.43
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	7	0.43
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	9	0.43
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	9	0.43
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	9	0.43
(1,608)	1:47:B:ALA:H	1:48:B:GLN:HG3	20	0.43
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	5	0.43
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	5	0.43
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	5	0.43
(1,562)	1:14:B:VAL:HG21	1:18:B:HIS:H	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:14:B:VAL:HG22	1:18:B:HIS:H	18	0.43
(1,562)	1:14:B:VAL:HG23	1:18:B:HIS:H	18	0.43
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	5	0.43
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	5	0.43
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	5	0.43
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	13	0.43
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	13	0.43
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	13	0.43
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	9	0.43
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	9	0.43
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	17	0.43
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	17	0.43
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	8	0.43
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	8	0.43
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	13	0.43
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	12	0.43
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	12	0.43
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	9	0.43
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	9	0.43
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	10	0.43
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	10	0.43
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	11	0.43
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	13	0.43
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	1	0.42
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	1	0.42
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	1	0.42
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	1	0.42
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	1	0.42
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	1	0.42
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	3	0.42
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	3	0.42
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	3	0.42
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	2	0.42
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	2	0.42
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	2	0.42
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	14	0.42
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	14	0.42
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	14	0.42
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	3	0.42
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	3	0.42
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	3	0.42
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	14	0.42
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	14	0.42
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	2	0.42
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	2	0.42
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	2	0.42
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	16	0.42
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	16	0.42
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	16	0.42
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	16	0.42
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	16	0.42
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	16	0.42
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	16	0.42
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	16	0.42
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	16	0.42
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	16	0.42
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	16	0.42
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	16	0.42
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	16	0.42
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	16	0.42
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	16	0.42
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	16	0.42
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	16	0.42
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	16	0.42
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG21	15	0.42
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG22	15	0.42
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG23	15	0.42
(1,2945)	1:78:A:VAL:HG21	1:8:B:MET:HG2	15	0.42
(1,2945)	1:78:A:VAL:HG22	1:8:B:MET:HG2	15	0.42
(1,2945)	1:78:A:VAL:HG23	1:8:B:MET:HG2	15	0.42
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	20	0.42
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	20	0.42
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	20	0.42
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	3	0.42
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	3	0.42
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	3	0.42
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	20	0.42
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	20	0.42
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	20	0.42
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	4	0.42
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	4	0.42
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	4	0.42
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	17	0.42
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	17	0.42
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	2	0.42
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	2	0.42
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	2	0.42
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	15	0.42
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	2	0.42
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	2	0.42
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	2	0.42
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	10	0.42
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	10	0.42
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	10	0.42
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	8	0.42
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	8	0.42
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	8	0.42
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	8	0.42
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	8	0.42
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	8	0.42
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	16	0.42
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	16	0.42
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	16	0.42
(1,2201)	1:54:A:VAL:HG11	1:55:A:ASP:HA	13	0.42
(1,2201)	1:54:A:VAL:HG12	1:55:A:ASP:HA	13	0.42
(1,2201)	1:54:A:VAL:HG13	1:55:A:ASP:HA	13	0.42
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	8	0.42
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	8	0.42
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	15	0.42
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	15	0.42
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	15	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	2	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	3	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	4	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	5	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	6	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	7	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	10	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	11	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	14	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	16	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	18	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	19	0.42
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	3	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	4	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	6	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	8	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	9	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	10	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	12	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	13	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	15	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	18	0.42
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	19	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	1	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	1	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	1	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	1	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	1	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	1	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	3	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	3	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	3	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	3	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	3	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	3	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	8	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	8	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	8	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	8	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	8	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	8	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	16	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	16	0.42
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	16	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	16	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	16	0.42
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	16	0.42
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	9	0.42
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	9	0.42
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	9	0.42
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	9	0.42
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	9	0.42
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	9	0.42
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	19	0.42
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	19	0.42
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	11	0.42
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	11	0.42
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	11	0.42
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	11	0.42
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	11	0.42
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	11	0.42
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	17	0.42
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	17	0.42
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	17	0.42
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	20	0.42
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	20	0.42
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	20	0.42
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	10	0.42
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	10	0.42
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	10	0.42
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	14	0.42
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	14	0.42
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	14	0.42
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	20	0.42
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	20	0.42
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	20	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	7	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	7	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	7	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	8	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	8	0.42
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	8	0.42
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	16	0.42
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	16	0.42
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	16	0.42
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	17	0.42
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	17	0.42
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	17	0.42
(1,561)	1:14:A:VAL:HG21	1:18:A:HIS:H	19	0.42
(1,561)	1:14:A:VAL:HG22	1:18:A:HIS:H	19	0.42
(1,561)	1:14:A:VAL:HG23	1:18:A:HIS:H	19	0.42
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	19	0.42
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	19	0.42
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	16	0.42
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	5	0.42
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	6	0.42
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	7	0.41
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	7	0.41
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	7	0.41
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	11	0.41
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	11	0.41
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	11	0.41
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	7	0.41
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	7	0.41
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	7	0.41
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	11	0.41
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	11	0.41
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	11	0.41
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	11	0.41
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	11	0.41
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	11	0.41
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	11	0.41
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	11	0.41
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	11	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	9	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	9	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	9	0.41
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	9	0.41
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	9	0.41
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	9	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	9	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	9	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	9	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	13	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	13	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	13	0.41
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	13	0.41
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	13	0.41
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	13	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	13	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	13	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	13	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	14	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	14	0.41
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	14	0.41
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	14	0.41
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	14	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	14	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	14	0.41
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	14	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG21	1	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG22	1	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG23	1	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG21	1	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG22	1	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG23	1	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG21	1	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG22	1	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG23	1	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG21	8	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG22	8	0.41
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG23	8	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG21	8	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG22	8	0.41
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG23	8	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG21	8	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG22	8	0.41
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG23	8	0.41
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG21	1	0.41
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG22	1	0.41
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG23	1	0.41
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG21	1	0.41
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG22	1	0.41
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG23	1	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG21	1	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG22	1	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG23	1	0.41
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG21	8	0.41
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG22	8	0.41
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG23	8	0.41
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG21	8	0.41
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG22	8	0.41
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG23	8	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG21	8	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG22	8	0.41
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG23	8	0.41
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	9	0.41
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	9	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	9	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	9	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	9	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	9	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	9	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	9	0.41
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	13	0.41
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	13	0.41
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	13	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	13	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	13	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	13	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	13	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	13	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	13	0.41
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	14	0.41
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	14	0.41
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	14	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	14	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	14	0.41
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	14	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	14	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	14	0.41
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	14	0.41
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	5	0.41
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	5	0.41
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	5	0.41
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	19	0.41
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	19	0.41
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	19	0.41
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	15	0.41
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	15	0.41
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	15	0.41
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	6	0.41
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	6	0.41
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	6	0.41
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	6	0.41
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	6	0.41
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	6	0.41
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	6	0.41
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	6	0.41
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	11	0.41
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	11	0.41
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	11	0.41
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	11	0.41
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	11	0.41
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	11	0.41
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	11	0.41
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	11	0.41
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	11	0.41
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	9	0.41
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	9	0.41
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	9	0.41
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	13	0.41
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	1	0.41
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	8	0.41
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	9	0.41
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	13	0.41
(1,1908)	1:50:B:ASP:HA	1:90:B:TRP:HH2	17	0.41
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	5	0.41
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	7	0.41
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	14	0.41
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	16	0.41
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	17	0.41
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD21	11	0.41
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD22	11	0.41
(1,1899)	1:34:A:LYS:HG3	1:37:A:LEU:HD23	11	0.41
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG11	20	0.41
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG12	20	0.41
(1,1868)	1:12:B:ILE:HG21	1:14:B:VAL:HG13	20	0.41
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG11	20	0.41
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG12	20	0.41
(1,1868)	1:12:B:ILE:HG22	1:14:B:VAL:HG13	20	0.41
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG11	20	0.41
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG12	20	0.41
(1,1868)	1:12:B:ILE:HG23	1:14:B:VAL:HG13	20	0.41
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	5	0.41
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	5	0.41
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	5	0.41
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	5	0.41
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	5	0.41
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	17	0.41
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	17	0.41
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	17	0.41
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	17	0.41
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	17	0.41
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	17	0.41
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	10	0.41
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	10	0.41
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	10	0.41
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	10	0.41
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	10	0.41
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	10	0.41
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	13	0.41
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	13	0.41
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	13	0.41
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	5	0.41
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	5	0.41
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	5	0.41
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	17	0.41
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	17	0.41
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	17	0.41
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	4	0.41
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	4	0.41
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	4	0.41
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	20	0.41
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	20	0.41
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	20	0.41
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	4	0.41
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	4	0.41
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	4	0.41
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	16	0.41
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	16	0.41
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	16	0.41
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	6	0.41
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	6	0.41
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	6	0.41
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	6	0.41
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	6	0.41
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	9	0.41
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	5	0.41
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	16	0.41
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	12	0.4
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	12	0.4
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	12	0.4
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	12	0.4
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	12	0.4
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	12	0.4
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	14	0.4
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	14	0.4
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	14	0.4
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	11	0.4
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	11	0.4
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	11	0.4
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	12	0.4
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	12	0.4
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	12	0.4
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	14	0.4
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	14	0.4
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	14	0.4
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	11	0.4
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	11	0.4
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	11	0.4
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	12	0.4
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	12	0.4
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	12	0.4
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	15	0.4
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	15	0.4
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	15	0.4
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	15	0.4
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	15	0.4
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	15	0.4
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	15	0.4
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	15	0.4
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	15	0.4
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	17	0.4
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	17	0.4
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	17	0.4
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	17	0.4
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	17	0.4
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	17	0.4
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	17	0.4
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	17	0.4
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG21	4	0.4
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG22	4	0.4
(1,3075)	1:75:A:VAL:HG21	1:78:B:VAL:HG23	4	0.4
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG21	4	0.4
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG22	4	0.4
(1,3075)	1:75:A:VAL:HG22	1:78:B:VAL:HG23	4	0.4
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG21	4	0.4
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG22	4	0.4
(1,3075)	1:75:A:VAL:HG23	1:78:B:VAL:HG23	4	0.4
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG21	4	0.4
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG22	4	0.4
(1,3074)	1:78:B:VAL:HG21	1:75:A:VAL:HG23	4	0.4
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG21	4	0.4
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG22	4	0.4
(1,3074)	1:78:B:VAL:HG22	1:75:A:VAL:HG23	4	0.4
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG21	4	0.4
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG22	4	0.4
(1,3074)	1:78:B:VAL:HG23	1:75:A:VAL:HG23	4	0.4
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	15	0.4
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	15	0.4
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	15	0.4
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	15	0.4
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	15	0.4
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	15	0.4
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	15	0.4
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	15	0.4
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	15	0.4
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	17	0.4
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	17	0.4
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	17	0.4
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	17	0.4
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	17	0.4
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	17	0.4
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	17	0.4
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	17	0.4
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	17	0.4
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG21	11	0.4
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG22	11	0.4
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG23	11	0.4
(1,2945)	1:78:A:VAL:HG21	1:8:B:MET:HG2	11	0.4
(1,2945)	1:78:A:VAL:HG22	1:8:B:MET:HG2	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2945)	1:78:A:VAL:HG23	1:8:B:MET:HG2	11	0.4
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	7	0.4
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	7	0.4
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	7	0.4
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	15	0.4
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	15	0.4
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	15	0.4
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	2	0.4
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	2	0.4
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	2	0.4
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	13	0.4
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	19	0.4
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	11	0.4
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	11	0.4
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	11	0.4
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	11	0.4
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	11	0.4
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	11	0.4
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	12	0.4
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	12	0.4
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	12	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	2	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	2	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	2	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	2	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	2	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	2	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	9	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	9	0.4
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	9	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	9	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	9	0.4
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	9	0.4
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	6	0.4
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	6	0.4
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	6	0.4
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	6	0.4
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	6	0.4
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	6	0.4
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	2	0.4
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	2	0.4
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	17	0.4
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	17	0.4
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	17	0.4
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	16	0.4
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	16	0.4
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	16	0.4
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	11	0.4
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	11	0.4
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	11	0.4
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	17	0.4
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	17	0.4
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	17	0.4
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	5	0.4
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	5	0.4
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	5	0.4
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	3	0.4
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	3	0.4
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	5	0.4
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	5	0.4
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	10	0.4
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	10	0.4
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	16	0.4
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	16	0.4
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	6	0.4
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	6	0.4
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	12	0.4
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	12	0.4
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	18	0.4
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	18	0.4
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	9	0.4
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	9	0.4
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	1	0.4
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	1	0.4
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	18	0.4
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	18	0.4
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	2	0.4
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	2	0.4
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	17	0.4
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	11	0.39
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	11	0.39
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	11	0.39
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	11	0.39
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	11	0.39
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	20	0.39
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	20	0.39
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	20	0.39
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	20	0.39
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	20	0.39
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	20	0.39
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	20	0.39
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	20	0.39
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	20	0.39
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	20	0.39
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	20	0.39
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	20	0.39
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	20	0.39
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	20	0.39
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	20	0.39
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	20	0.39
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	20	0.39
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	20	0.39
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	8	0.39
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	8	0.39
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	15	0.39
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	15	0.39
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	15	0.39
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	17	0.39
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	17	0.39
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	17	0.39
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	9	0.39
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	9	0.39
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	9	0.39
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	3	0.39
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	3	0.39
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	3	0.39
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	17	0.39
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	17	0.39
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	17	0.39
(1,2408)	1:36:B:LEU:HD11	1:37:B:LEU:HB3	19	0.39
(1,2408)	1:36:B:LEU:HD12	1:37:B:LEU:HB3	19	0.39
(1,2408)	1:36:B:LEU:HD13	1:37:B:LEU:HB3	19	0.39
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	15	0.39
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	15	0.39
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	1	0.39
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	1	0.39
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	1	0.39
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	1	0.39
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	1	0.39
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	1	0.39
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	11	0.39
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	11	0.39
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	11	0.39
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	11	0.39
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	11	0.39
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	11	0.39
(1,2233)	1:69:A:VAL:HG11	1:73:A:GLU:HG2	2	0.39
(1,2233)	1:69:A:VAL:HG12	1:73:A:GLU:HG2	2	0.39
(1,2233)	1:69:A:VAL:HG13	1:73:A:GLU:HG2	2	0.39
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	18	0.39
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	18	0.39
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	18	0.39
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	6	0.39
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	6	0.39
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	6	0.39
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	4	0.39
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	4	0.39
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	4	0.39
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	4	0.39
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	4	0.39
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	4	0.39
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	15	0.39
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	15	0.39
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	15	0.39
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	6	0.39
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	6	0.39
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	6	0.39
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	8	0.39
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	8	0.39
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	8	0.39
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	4	0.39
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	4	0.39
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	4	0.39
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	10	0.39
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	10	0.39
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	8	0.39
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	8	0.39
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	8	0.39
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	11	0.39
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	11	0.39
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	11	0.39
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	20	0.39
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	5	0.39
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	5	0.39
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	16	0.39
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	16	0.39
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	6	0.39
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	6	0.39
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	7	0.39
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	7	0.39
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	11	0.39
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	11	0.39
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	9	0.39
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	12	0.38
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	12	0.38
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	12	0.38
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	18	0.38
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	18	0.38
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	18	0.38
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	12	0.38
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	12	0.38
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	12	0.38
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	18	0.38
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	18	0.38
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	18	0.38
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	18	0.38
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	18	0.38
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	18	0.38
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	3	0.38
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	3	0.38
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	3	0.38
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	18	0.38
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	18	0.38
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	18	0.38
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	3	0.38
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	3	0.38
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	3	0.38
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	3	0.38
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	3	0.38
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	3	0.38
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	3	0.38
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	3	0.38
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	3	0.38
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	3	0.38
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	3	0.38
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	3	0.38
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	3	0.38
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	3	0.38
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	3	0.38
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	3	0.38
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	3	0.38
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	3	0.38
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	3	0.38
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	3	0.38
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	16	0.38
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	16	0.38
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	16	0.38
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	20	0.38
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	20	0.38
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	20	0.38
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	11	0.38
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	11	0.38
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	11	0.38
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	11	0.38
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	11	0.38
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	11	0.38
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	8	0.38
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	8	0.38
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	8	0.38
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	19	0.38
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	19	0.38
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	19	0.38
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	10	0.38
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	10	0.38
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	10	0.38
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	12	0.38
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	9	0.38
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	9	0.38
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	9	0.38
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	14	0.38
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	14	0.38
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	16	0.38
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	16	0.38
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	16	0.38
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	4	0.38
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	4	0.38
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	4	0.38
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD21	2	0.38
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD22	2	0.38
(1,1747)	1:42:A:SER:HB2	1:45:A:LEU:HD23	2	0.38
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	12	0.38
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	12	0.38
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	12	0.38
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	10	0.38
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	10	0.38
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	10	0.38
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	18	0.38
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	2	0.38
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	2	0.38
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	2	0.38
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	5	0.38
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	5	0.38
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	5	0.38
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	13	0.38
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	13	0.38
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	13	0.38
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG21	2	0.38
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG22	2	0.38
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG23	2	0.38
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	12	0.38
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	12	0.38
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	9	0.38
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	9	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	2	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	2	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	7	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	7	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	10	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	13	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	13	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	17	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	17	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	19	0.38
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	19	0.38
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	5	0.38
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	5	0.38
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	13	0.38
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	13	0.38
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	4	0.38
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	4	0.38
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	4	0.38
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	3	0.37
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	3	0.37
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	3	0.37
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	6	0.37
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	6	0.37
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	6	0.37
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	3	0.37
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	3	0.37
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	3	0.37
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	6	0.37
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	6	0.37
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	6	0.37
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	9	0.37
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	9	0.37
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	9	0.37
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	3	0.37
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	3	0.37
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	3	0.37
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	10	0.37
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	10	0.37
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	10	0.37
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	17	0.37
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	17	0.37
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	17	0.37
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	15	0.37
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	15	0.37
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	15	0.37
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	15	0.37
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	15	0.37
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	19	0.37
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	19	0.37
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	19	0.37
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	19	0.37
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	19	0.37
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	19	0.37
(1,2202)	1:54:B:VAL:HG11	1:55:B:ASP:HA	12	0.37
(1,2202)	1:54:B:VAL:HG12	1:55:B:ASP:HA	12	0.37
(1,2202)	1:54:B:VAL:HG13	1:55:B:ASP:HA	12	0.37
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	19	0.37
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	2	0.37
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	5	0.37
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	20	0.37
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	18	0.37
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	18	0.37
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	18	0.37
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	18	0.37
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	18	0.37
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	18	0.37
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	17	0.37
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	17	0.37
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	17	0.37
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	17	0.37
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	17	0.37
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	17	0.37
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	6	0.37
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	6	0.37
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	6	0.37
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	1	0.37
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	7	0.37
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	7	0.37
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	7	0.37
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	10	0.37
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	10	0.37
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	10	0.37
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	19	0.37
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	19	0.37
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	19	0.37
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	9	0.37
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	9	0.37
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	1	0.37
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	1	0.37
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	1	0.37
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	17	0.37
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	19	0.37
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	19	0.37
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	19	0.37
(1,671)	1:47:A:ALA:H	1:48:A:GLN:HG2	11	0.37
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	6	0.37
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	6	0.37
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	6	0.37
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	16	0.37
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	4	0.37
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	4	0.37
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	4	0.37
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	12	0.37
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	5	0.36
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	5	0.36
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	5	0.36
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	8	0.36
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	8	0.36
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	8	0.36
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	8	0.36
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	8	0.36
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	8	0.36
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	5	0.36
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	5	0.36
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	5	0.36
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG21	16	0.36
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG22	16	0.36
(1,2948)	1:8:B:MET:HG2	1:78:A:VAL:HG23	16	0.36
(1,2945)	1:78:A:VAL:HG21	1:8:B:MET:HG2	16	0.36
(1,2945)	1:78:A:VAL:HG22	1:8:B:MET:HG2	16	0.36
(1,2945)	1:78:A:VAL:HG23	1:8:B:MET:HG2	16	0.36
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	3	0.36
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	3	0.36
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	3	0.36
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	18	0.36
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	18	0.36
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	18	0.36
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	19	0.36
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	19	0.36
(1,2602)	1:28:B:LEU:HD21	1:29:B:SER:H	10	0.36
(1,2602)	1:28:B:LEU:HD22	1:29:B:SER:H	10	0.36
(1,2602)	1:28:B:LEU:HD23	1:29:B:SER:H	10	0.36
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	10	0.36
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	10	0.36
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	10	0.36
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	10	0.36
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	10	0.36
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	10	0.36
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	10	0.36
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	10	0.36
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	10	0.36
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	7	0.36
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	15	0.36
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	15	0.36
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	17	0.36
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	17	0.36
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	9	0.36
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	16	0.36
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	18	0.36
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	15	0.36
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	15	0.36
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	15	0.36
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	15	0.36
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	15	0.36
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	15	0.36
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	1	0.36
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	1	0.36
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	1	0.36
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	1	0.36
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	1	0.36
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	1	0.36
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	3	0.36
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	3	0.36
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	3	0.36
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	18	0.36
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	4	0.36
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	4	0.36
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	4	0.36
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	7	0.36
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	7	0.36
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	13	0.36
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	13	0.36
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	13	0.36
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	15	0.36
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	15	0.36
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	15	0.36
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	9	0.36
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	9	0.36
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	9	0.36
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	7	0.36
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	7	0.36
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	3	0.36
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	3	0.36
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	6	0.36
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	4	0.36
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	4	0.36
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	11	0.36
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	11	0.36
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	10	0.36
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	10	0.36
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	10	0.36
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	15	0.36
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	15	0.36
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	15	0.36
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	15	0.36
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	15	0.36
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	15	0.36
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	11	0.36
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	19	0.36
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	18	0.36
(1,193)	1:5:A:GLU:HG3	1:7:A:ALA:H	6	0.36
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	5	0.36
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	4	0.35
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	4	0.35
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	4	0.35
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	7	0.35
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	7	0.35
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	7	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	4	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	4	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	9	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	9	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	9	0.35
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	4	0.35
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	4	0.35
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	4	0.35
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	4	0.35
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	4	0.35
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	4	0.35
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	4	0.35
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	4	0.35
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	4	0.35
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	7	0.35
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	7	0.35
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	7	0.35
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	4	0.35
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	4	0.35
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	4	0.35
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	9	0.35
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	9	0.35
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	9	0.35
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	10	0.35
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	10	0.35
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	10	0.35
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	10	0.35
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	10	0.35
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	10	0.35
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	1	0.35
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	1	0.35
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	1	0.35
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	9	0.35
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	9	0.35
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	9	0.35
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	14	0.35
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	14	0.35
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	14	0.35
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	20	0.35
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD11	1	0.35
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD12	1	0.35
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD13	1	0.35
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	4	0.35
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	4	0.35
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	4	0.35
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	4	0.35
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	4	0.35
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	4	0.35
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	11	0.35
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	11	0.35
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	11	0.35
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	2	0.35
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	4	0.35
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	4	0.35
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	4	0.35
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	15	0.35
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	15	0.35
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	15	0.35
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	19	0.35
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	19	0.35
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	19	0.35
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	13	0.35
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	13	0.35
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	13	0.35
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	19	0.35
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	19	0.35
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	19	0.35
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	3	0.35
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	3	0.35
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	3	0.35
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	2	0.35
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	2	0.35
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	7	0.35
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	7	0.35
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	10	0.35
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	10	0.35
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	10	0.35
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	19	0.35
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	8	0.35
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	8	0.35
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	2	0.35
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	2	0.35
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	2	0.35
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	11	0.35
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	11	0.35
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	18	0.35
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	18	0.35
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	18	0.35
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	3	0.35
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	20	0.35
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	20	0.35
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	20	0.35
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	4	0.35
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	10	0.35
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	10	0.35
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	10	0.35
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	14	0.34
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	14	0.34
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	14	0.34
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	16	0.34
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	16	0.34
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	16	0.34
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	8	0.34
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	8	0.34
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	8	0.34
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	8	0.34
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	8	0.34
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	8	0.34
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	14	0.34
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	14	0.34
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	14	0.34
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	16	0.34
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	16	0.34
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	16	0.34
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	5	0.34
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	5	0.34
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	5	0.34
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	5	0.34
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	5	0.34
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	5	0.34
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	5	0.34
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	5	0.34
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	5	0.34
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	10	0.34
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	10	0.34
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	10	0.34
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	10	0.34
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	10	0.34
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	10	0.34
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	10	0.34
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	10	0.34
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	5	0.34
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	5	0.34
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	5	0.34
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	5	0.34
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	5	0.34
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	5	0.34
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	5	0.34
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	5	0.34
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	5	0.34
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	10	0.34
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	10	0.34
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	10	0.34
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	10	0.34
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	10	0.34
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	10	0.34
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	10	0.34
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	10	0.34
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	10	0.34
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	18	0.34
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	18	0.34
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	18	0.34
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	2	0.34
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	2	0.34
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	2	0.34
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	6	0.34
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	6	0.34
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	6	0.34
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	6	0.34
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	6	0.34
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	6	0.34
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE2	13	0.34
(1,2556)	1:20:B:GLY:HA2	1:21:B:LYS:HE3	13	0.34
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE2	13	0.34
(1,2556)	1:20:B:GLY:HA3	1:21:B:LYS:HE3	13	0.34
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	14	0.34
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	14	0.34
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	14	0.34
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	14	0.34
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	14	0.34
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	14	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	2	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	3	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	4	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	6	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	7	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	12	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	15	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	18	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	19	0.34
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	20	0.34
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	6	0.34
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	7	0.34
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	9	0.34
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	11	0.34
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	15	0.34
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	18	0.34
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	19	0.34
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD11	8	0.34
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD12	8	0.34
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD13	8	0.34
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	3	0.34
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	19	0.34
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	19	0.34
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	19	0.34
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	14	0.34
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	14	0.34
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	14	0.34
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	2	0.34
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	2	0.34
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	2	0.34
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	5	0.34
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	5	0.34
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	5	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	5	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	5	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	15	0.34
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	15	0.34
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	15	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	15	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	15	0.34
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	15	0.34
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	14	0.34
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	14	0.34
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	14	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	5	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	5	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	5	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	7	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	7	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	7	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	20	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	20	0.34
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	20	0.34
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	19	0.34
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	11	0.34
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	11	0.34
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	11	0.34
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	9	0.34
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	9	0.34
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	9	0.34
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	16	0.34
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	16	0.34
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	16	0.34
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	2	0.34
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	2	0.34
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	2	0.34
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	20	0.34
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	20	0.34
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	20	0.34
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	2	0.34
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	10	0.34
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	10	0.34
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	10	0.34
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	11	0.34
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	11	0.34
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	11	0.34
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	16	0.34
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	19	0.34
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	19	0.34
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	19	0.34
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	2	0.34
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	2	0.34
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	8	0.34
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	8	0.34
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	8	0.34
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	11	0.34
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	11	0.34
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	11	0.34
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	16	0.34
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	16	0.34
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	16	0.34
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	19	0.34
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	16	0.34
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	18	0.34
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	2	0.34
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	6	0.33
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	6	0.33
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	6	0.33
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	6	0.33
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	6	0.33
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	6	0.33
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	2	0.33
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	2	0.33
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	2	0.33
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	2	0.33
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	2	0.33
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	2	0.33
(1,2963)	1:75:A:VAL:HB	1:76:B:VAL:HA	2	0.33
(1,2962)	1:76:B:VAL:HA	1:75:A:VAL:HB	2	0.33
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	6	0.33
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	6	0.33
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	4	0.33
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	4	0.33
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	4	0.33
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	14	0.33
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	14	0.33
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	14	0.33
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	4	0.33
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	4	0.33
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	7	0.33
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	7	0.33
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	7	0.33
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	9	0.33
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	9	0.33
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	9	0.33
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	16	0.33
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	16	0.33
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	16	0.33
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	9	0.33
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	9	0.33
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	9	0.33
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	9	0.33
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	9	0.33
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	9	0.33
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	9	0.33
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	9	0.33
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	9	0.33
(1,2407)	1:36:A:LEU:HD11	1:37:A:LEU:HB3	11	0.33
(1,2407)	1:36:A:LEU:HD12	1:37:A:LEU:HB3	11	0.33
(1,2407)	1:36:A:LEU:HD13	1:37:A:LEU:HB3	11	0.33
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	2	0.33
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	2	0.33
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	2	0.33
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	2	0.33
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	2	0.33
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	2	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	1	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	5	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	8	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	9	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	10	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	11	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	13	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	14	0.33
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	16	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	1	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	2	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	3	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	5	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	8	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	10	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	12	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	13	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	14	0.33
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	17	0.33
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG21	19	0.33
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG22	19	0.33
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG23	19	0.33
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	19	0.33
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	19	0.33
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	19	0.33
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	17	0.33
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	17	0.33
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	17	0.33
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	12	0.33
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	12	0.33
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	12	0.33
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	8	0.33
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	8	0.33
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	8	0.33
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	8	0.33
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	8	0.33
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	8	0.33
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	14	0.33
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	14	0.33
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	14	0.33
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	14	0.33
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	14	0.33
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	14	0.33
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	16	0.33
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	16	0.33
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	16	0.33
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD21	1	0.33
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD22	1	0.33
(1,1748)	1:42:B:SER:HB2	1:45:B:LEU:HD23	1	0.33
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	12	0.33
(1,1722)	1:54:B:VAL:HB	1:55:B:ASP:HB2	19	0.33
(1,1721)	1:54:A:VAL:HB	1:55:A:ASP:HB2	13	0.33
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	4	0.33
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	4	0.33
(1,874)	1:37:B:LEU:HD21	1:39:B:THR:H	6	0.33
(1,874)	1:37:B:LEU:HD22	1:39:B:THR:H	6	0.33
(1,874)	1:37:B:LEU:HD23	1:39:B:THR:H	6	0.33
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD21	12	0.33
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD22	12	0.33
(1,704)	1:44:B:PHE:H	1:45:B:LEU:HD23	12	0.33
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	3	0.33
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	4	0.33
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	13	0.33
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	19	0.33
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	20	0.33
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	8	0.33
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	9	0.33
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	15	0.33
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	17	0.33
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	1	0.33
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	1	0.33
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	8	0.33
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	8	0.33
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	11	0.33
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	11	0.33
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	10	0.33
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	10	0.33
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	15	0.33
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	15	0.33
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	20	0.33
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	20	0.33
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	18	0.33
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	18	0.33
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	13	0.33
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	13	0.33
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	13	0.33
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	16	0.33
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	14	0.33
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	20	0.33
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	6	0.33
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	6	0.33
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	6	0.33
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	19	0.33
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	19	0.33
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3194)	1:87:B:ASN:HD21	1:71:A:PHE:H	2	0.32
(1,3194)	1:87:B:ASN:HD22	1:71:A:PHE:H	2	0.32
(1,3194)	1:87:B:ASN:HD21	1:71:A:PHE:H	20	0.32
(1,3194)	1:87:B:ASN:HD22	1:71:A:PHE:H	20	0.32
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	5	0.32
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	5	0.32
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	5	0.32
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	5	0.32
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	5	0.32
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	5	0.32
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD21	2	0.32
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD22	2	0.32
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD21	20	0.32
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD22	20	0.32
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	5	0.32
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	5	0.32
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	5	0.32
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	5	0.32
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	5	0.32
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	5	0.32
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	17	0.32
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	17	0.32
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG11	13	0.32
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG12	13	0.32
(1,2693)	1:73:A:GLU:HA	1:76:A:VAL:HG13	13	0.32
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	3	0.32
(1,2229)	1:42:A:SER:HA	1:45:A:LEU:HB2	16	0.32
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	20	0.32
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	20	0.32
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	20	0.32
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	9	0.32
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	16	0.32
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	7	0.32
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	7	0.32
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	7	0.32
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	7	0.32
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	7	0.32
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	7	0.32
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	10	0.32
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	10	0.32
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	10	0.32
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	19	0.32
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	19	0.32
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD21	13	0.32
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD22	13	0.32
(1,1777)	1:42:A:SER:HB3	1:45:A:LEU:HD23	13	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	1	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	1	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	1	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	2	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	2	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	2	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	3	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	3	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	3	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	4	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	4	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	4	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	6	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	6	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	6	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	7	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	7	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	7	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	8	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	8	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	8	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	9	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	9	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	9	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	10	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	10	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	10	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	11	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	11	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	11	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	14	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	14	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	14	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	15	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	15	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	15	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	19	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	19	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	20	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	20	0.32
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	20	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	3	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	3	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	3	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	9	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	9	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	9	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	18	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	18	0.32
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	18	0.32
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	7	0.32
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	7	0.32
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	7	0.32
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	17	0.32
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	17	0.32
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	17	0.32
(1,608)	1:47:B:ALA:H	1:48:B:GLN:HG3	7	0.32
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	11	0.32
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	11	0.32
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	11	0.32
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	17	0.32
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	17	0.32
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	17	0.32
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	3	0.32
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	3	0.32
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	11	0.32
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	5	0.32
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	5	0.32
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	5	0.32
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	14	0.32
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	20	0.32
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	3	0.32
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	3	0.32
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	3	0.32
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	2	0.31
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	2	0.31
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	2	0.31
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	2	0.31
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	2	0.31
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	3	0.31
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	3	0.31
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	3	0.31
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	3	0.31
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	3	0.31
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	3	0.31
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	18	0.31
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	18	0.31
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	18	0.31
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	18	0.31
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	18	0.31
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	18	0.31
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	18	0.31
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	18	0.31
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	18	0.31
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	18	0.31
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	18	0.31
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	18	0.31
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	18	0.31
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	18	0.31
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	18	0.31
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	18	0.31
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	18	0.31
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	18	0.31
(1,2722)	1:76:B:VAL:HG21	1:80:B:ALA:H	8	0.31
(1,2722)	1:76:B:VAL:HG22	1:80:B:ALA:H	8	0.31
(1,2722)	1:76:B:VAL:HG23	1:80:B:ALA:H	8	0.31
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	11	0.31
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	11	0.31
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	11	0.31
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	13	0.31
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	13	0.31
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	13	0.31
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	11	0.31
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	11	0.31
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	11	0.31
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	14	0.31
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	14	0.31
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	14	0.31
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	8	0.31
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	8	0.31
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	8	0.31
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	5	0.31
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	5	0.31
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	5	0.31
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	5	0.31
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	5	0.31
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	5	0.31
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	6	0.31
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	6	0.31
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	6	0.31
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	11	0.31
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	15	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	8	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	8	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	8	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	9	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	9	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	9	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	17	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	17	0.31
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	17	0.31
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	1	0.31
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	10	0.31
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	14	0.31
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	9	0.31
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	9	0.31
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	9	0.31
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	17	0.31
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	17	0.31
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	17	0.31
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	13	0.31
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	13	0.31
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	13	0.31
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	13	0.31
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	13	0.31
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	13	0.31
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	7	0.31
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	7	0.31
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	7	0.31
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	7	0.31
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	7	0.31
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	13	0.31
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	13	0.31
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	13	0.31
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	13	0.31
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	13	0.31
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	13	0.31
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	20	0.31
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	6	0.31
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	6	0.31
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	6	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	5	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	5	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	5	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	12	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	12	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	12	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	13	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	13	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	13	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	16	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	16	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	16	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	18	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	18	0.31
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	18	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	2	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	2	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	2	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	5	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	5	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	5	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	6	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	6	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	6	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	7	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	7	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	7	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	8	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	8	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	10	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	10	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	10	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	13	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	13	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	13	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	14	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	14	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	14	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	16	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	16	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	16	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	17	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	17	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	17	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	19	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	19	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	19	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	20	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	20	0.31
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	20	0.31
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	1	0.31
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	1	0.31
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	1	0.31
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	1	0.31
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	16	0.31
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	15	0.31
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	15	0.31
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	15	0.31
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	7	0.31
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	2	0.31
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	2	0.31
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	18	0.31
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	18	0.31
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	20	0.31
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	20	0.31
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	10	0.31
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	10	0.31
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	10	0.31
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	1	0.31
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	1	0.31
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	8	0.31
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	4	0.31
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	4	0.31
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	17	0.31
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	3	0.31
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	3	0.31
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	3	0.31
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	9	0.31
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	9	0.31
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	9	0.31
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	8	0.31
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	8	0.31
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	8	0.31
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	9	0.31
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	9	0.31
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	9	0.31
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	10	0.31
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	10	0.31
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	10	0.31
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	19	0.31
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	19	0.31
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	19	0.31
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	15	0.31
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	15	0.31
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	15	0.31
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	18	0.31
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	11	0.31
(1,3194)	1:87:B:ASN:HD21	1:71:A:PHE:H	13	0.3
(1,3194)	1:87:B:ASN:HD22	1:71:A:PHE:H	13	0.3
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD21	13	0.3
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD22	13	0.3
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	14	0.3
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	14	0.3
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	14	0.3
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	9	0.3
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	9	0.3
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	9	0.3
(1,3136)	1:14:B:VAL:H	1:4:A:LEU:HD21	7	0.3
(1,3136)	1:14:B:VAL:H	1:4:A:LEU:HD22	7	0.3
(1,3136)	1:14:B:VAL:H	1:4:A:LEU:HD23	7	0.3
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	14	0.3
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	14	0.3
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	9	0.3
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	9	0.3
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	9	0.3
(1,3110)	1:4:A:LEU:HD21	1:14:B:VAL:H	7	0.3
(1,3110)	1:4:A:LEU:HD22	1:14:B:VAL:H	7	0.3
(1,3110)	1:4:A:LEU:HD23	1:14:B:VAL:H	7	0.3
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	9	0.3
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	14	0.3
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	9	0.3
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	14	0.3
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	1	0.3
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	1	0.3
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	1	0.3
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	14	0.3
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	14	0.3
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	14	0.3
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	16	0.3
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	16	0.3
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	16	0.3
(1,2393)	1:69:A:VAL:HB	1:73:A:GLU:HG2	16	0.3
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	4	0.3
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	4	0.3
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	4	0.3
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	4	0.3
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	4	0.3
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	4	0.3
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	4	0.3
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	4	0.3
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	7	0.3
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	7	0.3
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	1	0.3
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	1	0.3
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	1	0.3
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	12	0.3
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	14	0.3
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	14	0.3
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	14	0.3
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	5	0.3
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	5	0.3
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	5	0.3
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	5	0.3
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	5	0.3
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	11	0.3
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	11	0.3
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	11	0.3
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	3	0.3
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	3	0.3
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	3	0.3
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	3	0.3
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	3	0.3
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	3	0.3
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	1	0.3
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	1	0.3
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	1	0.3
(1,1742)	1:82:B:THR:HG21	1:86:B:ASN:HA	15	0.3
(1,1742)	1:82:B:THR:HG22	1:86:B:ASN:HA	15	0.3
(1,1742)	1:82:B:THR:HG23	1:86:B:ASN:HA	15	0.3
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD21	17	0.3
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD22	17	0.3
(1,1556)	1:37:B:LEU:H	1:37:B:LEU:HD23	17	0.3
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	1	0.3
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	1	0.3
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	1	0.3
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD21	12	0.3
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD22	12	0.3
(1,1555)	1:37:A:LEU:H	1:37:A:LEU:HD23	12	0.3
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	4	0.3
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	4	0.3
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	4	0.3
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	3	0.3
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	3	0.3
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	3	0.3
(1,873)	1:37:A:LEU:HD21	1:39:A:THR:H	1	0.3
(1,873)	1:37:A:LEU:HD22	1:39:A:THR:H	1	0.3
(1,873)	1:37:A:LEU:HD23	1:39:A:THR:H	1	0.3
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	20	0.3
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	20	0.3
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	20	0.3
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	5	0.3
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	17	0.3
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	6	0.3
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	5	0.3
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	5	0.3
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	1	0.3
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	1	0.3
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	1	0.3
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	8	0.3
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	8	0.3
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	8	0.3
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	20	0.3
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	20	0.3
(1,468)	1:31:B:LYS:HD2	1:65:B:GLY:H	2	0.3
(1,468)	1:31:B:LYS:HD3	1:65:B:GLY:H	2	0.3
(1,467)	1:31:A:LYS:HD2	1:65:A:GLY:H	12	0.3
(1,467)	1:31:A:LYS:HD3	1:65:A:GLY:H	12	0.3
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	8	0.3
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	20	0.3
(1,386)	1:7:B:ALA:H	1:8:B:MET:HG3	9	0.3
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	7	0.3
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	7	0.3
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	7	0.3
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	3	0.3
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	14	0.3
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	5	0.3
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	8	0.3
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	19	0.29
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	19	0.29
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	19	0.29
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	19	0.29
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	19	0.29
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	19	0.29
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	19	0.29
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	19	0.29
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	19	0.29
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	19	0.29
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	19	0.29
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	19	0.29
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	19	0.29
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	19	0.29
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	19	0.29
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	19	0.29
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	19	0.29
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	19	0.29
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	19	0.29
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	19	0.29
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	19	0.29
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	19	0.29
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	19	0.29
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	19	0.29
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	19	0.29
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	19	0.29
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	19	0.29
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	19	0.29
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	19	0.29
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	16	0.29
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	16	0.29
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	16	0.29
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	16	0.29
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	16	0.29
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	16	0.29
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	10	0.29
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	10	0.29
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	12	0.29
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	12	0.29
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	12	0.29
(1,2601)	1:28:B:LEU:HD11	1:29:B:SER:H	20	0.29
(1,2601)	1:28:B:LEU:HD12	1:29:B:SER:H	20	0.29
(1,2601)	1:28:B:LEU:HD13	1:29:B:SER:H	20	0.29
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	4	0.29
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	4	0.29
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	4	0.29
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	5	0.29
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	5	0.29
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	5	0.29
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	4	0.29
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	17	0.29
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	17	0.29
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	17	0.29
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE1	6	0.29
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE2	6	0.29
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE3	6	0.29
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	14	0.29
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	14	0.29
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	14	0.29
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	14	0.29
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	14	0.29
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	11	0.29
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	11	0.29
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	20	0.29
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	20	0.29
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	9	0.29
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	9	0.29
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	20	0.29
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	20	0.29
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	2	0.29
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	10	0.29
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	14	0.29
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	14	0.29
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	14	0.29
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	18	0.29
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	18	0.29
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	18	0.29
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	18	0.29
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	18	0.29
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	18	0.29
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	5	0.29
(1,1057)	1:69:A:VAL:HG11	1:73:A:GLU:H	12	0.29
(1,1057)	1:69:A:VAL:HG12	1:73:A:GLU:H	12	0.29
(1,1057)	1:69:A:VAL:HG13	1:73:A:GLU:H	12	0.29
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	10	0.29
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG21	12	0.29
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG22	12	0.29
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG23	12	0.29
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	13	0.29
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	13	0.29
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	3	0.29
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	3	0.29
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	3	0.29
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	2	0.29
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	2	0.29
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	2	0.29
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	5	0.29
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	5	0.29
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	5	0.29
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	13	0.29
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	13	0.29
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	17	0.29
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	17	0.29
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	20	0.29
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	20	0.29
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	13	0.29
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	18	0.29
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	19	0.29
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	19	0.29
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	19	0.29
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	17	0.29
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	4	0.29
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	4	0.29
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	4	0.29
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	6	0.29
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	18	0.28
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	18	0.28
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	18	0.28
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	18	0.28
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	18	0.28
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	18	0.28
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	12	0.28
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	12	0.28
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	12	0.28
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	7	0.28
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	7	0.28
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	7	0.28
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	12	0.28
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	12	0.28
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	12	0.28
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	7	0.28
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	7	0.28
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	7	0.28
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	7	0.28
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	7	0.28
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	7	0.28
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	7	0.28
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	7	0.28
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	7	0.28
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	7	0.28
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	7	0.28
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	7	0.28
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	7	0.28
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	7	0.28
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	7	0.28
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	7	0.28
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	7	0.28
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	7	0.28
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	7	0.28
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	7	0.28
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	10	0.28
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	10	0.28
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	12	0.28
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	12	0.28
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	12	0.28
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	19	0.28
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	19	0.28
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	19	0.28
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	2	0.28
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	2	0.28
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	2	0.28
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	11	0.28
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	11	0.28
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	11	0.28
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	11	0.28
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	11	0.28
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	11	0.28
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	11	0.28
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	11	0.28
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	11	0.28
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE1	6	0.28
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE2	6	0.28
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE3	6	0.28
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE1	7	0.28
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE2	7	0.28
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE3	7	0.28
(1,2230)	1:42:B:SER:HA	1:45:B:LEU:HB2	17	0.28
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	7	0.28
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	7	0.28
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	7	0.28
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	18	0.28
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	15	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	8	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	8	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	8	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	13	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	13	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	13	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	16	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	16	0.28
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	16	0.28
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	8	0.28
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	8	0.28
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	8	0.28
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	12	0.28
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	12	0.28
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	12	0.28
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	12	0.28
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	12	0.28
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	12	0.28
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	14	0.28
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	14	0.28
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	14	0.28
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	14	0.28
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	14	0.28
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	14	0.28
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	7	0.28
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	1	0.28
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	1	0.28
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	1	0.28
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	3	0.28
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	10	0.28
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	6	0.28
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	6	0.28
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	6	0.28
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	10	0.28
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	10	0.28
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	10	0.28
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	17	0.28
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	17	0.28
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	17	0.28
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	8	0.28
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	8	0.28
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	4	0.28
(1,650)	1:45:B:LEU:HB2	1:47:B:ALA:H	2	0.28
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	15	0.28
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	15	0.28
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	15	0.28
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	15	0.28
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	18	0.28
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	12	0.28
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	12	0.28
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	2	0.28
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	2	0.28
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	2	0.28
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	18	0.28
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	18	0.28
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	18	0.28
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	3	0.28
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	3	0.28
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	3	0.28
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	20	0.28
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	20	0.28
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	20	0.28
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	2	0.28
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	2	0.28
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	2	0.28
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	6	0.28
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	6	0.28
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	6	0.28
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	8	0.28
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	8	0.28
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	8	0.28
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	15	0.28
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	15	0.28
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	15	0.28
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	10	0.28
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	10	0.28
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	10	0.28
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	20	0.28
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	20	0.28
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	20	0.28
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	6	0.27
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	6	0.27
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	11	0.27
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	11	0.27
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	11	0.27
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	6	0.27
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	6	0.27
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	6	0.27
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	11	0.27
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	11	0.27
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	11	0.27
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	13	0.27
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	13	0.27
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	13	0.27
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	13	0.27
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	13	0.27
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	13	0.27
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	15	0.27
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	16	0.27
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	20	0.27
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	15	0.27
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	16	0.27
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	20	0.27
(1,2720)	1:76:A:VAL:HG21	1:80:A:ALA:H	3	0.27
(1,2720)	1:76:A:VAL:HG22	1:80:A:ALA:H	3	0.27
(1,2720)	1:76:A:VAL:HG23	1:80:A:ALA:H	3	0.27
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	17	0.27
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	17	0.27
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	17	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	4	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	4	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	4	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	16	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	16	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	16	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	19	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	19	0.27
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	19	0.27
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	6	0.27
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	6	0.27
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	6	0.27
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	6	0.27
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	6	0.27
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	13	0.27
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	13	0.27
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	13	0.27
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	18	0.27
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	13	0.27
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	18	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	4	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	4	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	4	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	13	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	13	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	13	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	16	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	16	0.27
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	16	0.27
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	3	0.27
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	3	0.27
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	3	0.27
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	20	0.27
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	20	0.27
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	20	0.27
(1,1907)	1:50:A:ASP:HA	1:90:A:TRP:HH2	1	0.27
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	12	0.27
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	14	0.27
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	14	0.27
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	14	0.27
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	15	0.27
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	15	0.27
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	15	0.27
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	18	0.27
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	18	0.27
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	18	0.27
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	20	0.27
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	20	0.27
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	20	0.27
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	8	0.27
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	8	0.27
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	8	0.27
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	8	0.27
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	17	0.27
(1,598)	1:48:B:GLN:HG2	1:49:B:LYS:H	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	9	0.27
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	9	0.27
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	9	0.27
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	16	0.27
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	16	0.27
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	16	0.27
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	12	0.27
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	12	0.27
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	12	0.27
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	10	0.27
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	2	0.27
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	2	0.27
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	2	0.27
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	7	0.27
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	7	0.27
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	7	0.27
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	17	0.27
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	17	0.27
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	17	0.27
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	5	0.27
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	12	0.27
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	9	0.27
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	9	0.27
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	17	0.26
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	17	0.26
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	17	0.26
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	4	0.26
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	4	0.26
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	4	0.26
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	17	0.26
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	17	0.26
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	17	0.26
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	4	0.26
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	4	0.26
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	4	0.26
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	12	0.26
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	12	0.26
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	12	0.26
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	12	0.26
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	12	0.26
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	12	0.26
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	12	0.26
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	12	0.26
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	12	0.26
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	12	0.26
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	12	0.26
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	12	0.26
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	12	0.26
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	12	0.26
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	12	0.26
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	12	0.26
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	12	0.26
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	12	0.26
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	12	0.26
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	5	0.26
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	5	0.26
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	5	0.26
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	6	0.26
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	6	0.26
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	6	0.26
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	6	0.26
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	6	0.26
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	6	0.26
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	7	0.26
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	7	0.26
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	7	0.26
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG11	12	0.26
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG12	12	0.26
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG13	12	0.26
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG11	12	0.26
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG12	12	0.26
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG13	12	0.26
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG11	12	0.26
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG12	12	0.26
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG13	12	0.26
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	15	0.26
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	15	0.26
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	15	0.26
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE2	6	0.26
(1,2555)	1:20:A:GLY:HA2	1:21:A:LYS:HE3	6	0.26
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE2	6	0.26
(1,2555)	1:20:A:GLY:HA3	1:21:A:LYS:HE3	6	0.26
(1,2394)	1:69:B:VAL:HB	1:73:B:GLU:HG2	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG21	11	0.26
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG22	11	0.26
(1,2228)	1:48:B:GLN:HG2	1:54:B:VAL:HG23	11	0.26
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG21	16	0.26
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG22	16	0.26
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG23	16	0.26
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	5	0.26
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	5	0.26
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	7	0.26
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	7	0.26
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	10	0.26
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	10	0.26
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	18	0.26
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	18	0.26
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	4	0.26
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	4	0.26
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	4	0.26
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	12	0.26
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	12	0.26
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	12	0.26
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	19	0.26
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	19	0.26
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	19	0.26
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	16	0.26
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	16	0.26
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	16	0.26
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	16	0.26
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	16	0.26
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	16	0.26
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	3	0.26
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	3	0.26
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	3	0.26
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	20	0.26
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	20	0.26
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	20	0.26
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	12	0.26
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	12	0.26
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	12	0.26
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	14	0.26
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	14	0.26
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	14	0.26
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	1	0.26
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	1	0.26
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	4	0.26
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	17	0.26
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	20	0.26
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	14	0.26
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	14	0.26
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	14	0.26
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	16	0.26
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	16	0.26
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	16	0.26
(1,527)	1:31:A:LYS:HG2	1:65:A:GLY:H	18	0.26
(1,527)	1:31:A:LYS:HG3	1:65:A:GLY:H	18	0.26
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	13	0.26
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	13	0.26
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	13	0.26
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	3	0.26
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	3	0.26
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	3	0.26
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	1	0.26
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	1	0.26
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	11	0.26
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	11	0.26
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	15	0.26
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	9	0.26
(1,386)	1:7:B:ALA:H	1:8:B:MET:HG3	11	0.26
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	14	0.26
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	14	0.26
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	14	0.26
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	20	0.26
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	20	0.26
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	20	0.26
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	19	0.26
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	19	0.26
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	19	0.26
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	5	0.26
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	10	0.26
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	7	0.26
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	7	0.26
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	7	0.26
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	5	0.26
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	5	0.26
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	2	0.26
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	9	0.26
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	9	0.26
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	9	0.26
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	13	0.26
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	13	0.26
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	13	0.26
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	4	0.26
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	4	0.26
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	4	0.26
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	19	0.25
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	19	0.25
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	19	0.25
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	19	0.25
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	19	0.25
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	19	0.25
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	15	0.25
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	15	0.25
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	15	0.25
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	10	0.25
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	10	0.25
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	10	0.25
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	18	0.25
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	18	0.25
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	18	0.25
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	17	0.25
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	17	0.25
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	17	0.25
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	15	0.25
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	15	0.25
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	15	0.25
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	17	0.25
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	17	0.25
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	17	0.25
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	10	0.25
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	10	0.25
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	10	0.25
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	18	0.25
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	18	0.25
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	18	0.25
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG21	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG22	6	0.25
(1,3076)	1:75:B:VAL:HG21	1:78:A:VAL:HG23	6	0.25
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG21	6	0.25
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG22	6	0.25
(1,3076)	1:75:B:VAL:HG22	1:78:A:VAL:HG23	6	0.25
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG21	6	0.25
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG22	6	0.25
(1,3076)	1:75:B:VAL:HG23	1:78:A:VAL:HG23	6	0.25
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG21	6	0.25
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG22	6	0.25
(1,3073)	1:78:A:VAL:HG21	1:75:B:VAL:HG23	6	0.25
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG21	6	0.25
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG22	6	0.25
(1,3073)	1:78:A:VAL:HG22	1:75:B:VAL:HG23	6	0.25
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG21	6	0.25
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG22	6	0.25
(1,3073)	1:78:A:VAL:HG23	1:75:B:VAL:HG23	6	0.25
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	12	0.25
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	12	0.25
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	18	0.25
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	18	0.25
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	18	0.25
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	11	0.25
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	11	0.25
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	11	0.25
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG21	2	0.25
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG22	2	0.25
(1,2223)	1:72:A:GLN:HA	1:75:A:VAL:HG23	2	0.25
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	3	0.25
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	3	0.25
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	4	0.25
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	4	0.25
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	6	0.25
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	6	0.25
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	11	0.25
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	11	0.25
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	15	0.25
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	15	0.25
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD11	10	0.25
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD12	10	0.25
(1,2097)	1:38:A:GLN:HB2	1:45:A:LEU:HD13	10	0.25
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	15	0.25
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	15	0.25
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	12	0.25
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	4	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	2	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	2	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	2	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	3	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	3	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	3	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	6	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	6	0.25
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	6	0.25
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	9	0.25
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	9	0.25
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	9	0.25
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	16	0.25
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	16	0.25
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	16	0.25
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	4	0.25
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	4	0.25
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	4	0.25
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	20	0.25
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	20	0.25
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	20	0.25
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	4	0.25
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	4	0.25
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	4	0.25
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	8	0.25
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	8	0.25
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	8	0.25
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	17	0.25
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	17	0.25
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	17	0.25
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	2	0.25
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	2	0.25
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	2	0.25
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	11	0.25
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	11	0.25
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	11	0.25
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	16	0.25
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	7	0.25
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	7	0.25
(1,1058)	1:69:B:VAL:HG11	1:73:B:GLU:H	5	0.25
(1,1058)	1:69:B:VAL:HG12	1:73:B:GLU:H	5	0.25
(1,1058)	1:69:B:VAL:HG13	1:73:B:GLU:H	5	0.25
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	7	0.25
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	1	0.25
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	8	0.25
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	9	0.25
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	9	0.25
(1,650)	1:45:B:LEU:HB2	1:47:B:ALA:H	17	0.25
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	5	0.25
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	1	0.25
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	1	0.25
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	1	0.25
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	15	0.25
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	15	0.25
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	14	0.25
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	16	0.25
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	1	0.25
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	15	0.25
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	1	0.25
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	1	0.25
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	1	0.25
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	14	0.25
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	14	0.25
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	14	0.25
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	8	0.25
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	7	0.25
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	7	0.25
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	7	0.25
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	9	0.25
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	9	0.25
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	9	0.25
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	16	0.25
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	16	0.25
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	16	0.25
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	11	0.25
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	11	0.25
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	5	0.25
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	5	0.25
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	17	0.25
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	17	0.25
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	17	0.25
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	15	0.24
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	15	0.24
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	15	0.24
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	15	0.24
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	15	0.24
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	15	0.24
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	2	0.24
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	2	0.24
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	2	0.24
(1,2721)	1:76:B:VAL:HG11	1:80:B:ALA:H	19	0.24
(1,2721)	1:76:B:VAL:HG12	1:80:B:ALA:H	19	0.24
(1,2721)	1:76:B:VAL:HG13	1:80:B:ALA:H	19	0.24
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	9	0.24
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	9	0.24
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	9	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG11	4	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG12	4	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG13	4	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG11	8	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG12	8	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG13	8	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG11	17	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG12	17	0.24
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG13	17	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG11	3	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG12	3	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG13	3	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG11	10	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG12	10	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG13	10	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG11	14	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG12	14	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG13	14	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG11	15	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG12	15	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG13	15	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG11	16	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG12	16	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG13	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG11	20	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG12	20	0.24
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG13	20	0.24
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	5	0.24
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	5	0.24
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	5	0.24
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	5	0.24
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	5	0.24
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	5	0.24
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	13	0.24
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	19	0.24
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	19	0.24
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	13	0.24
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	13	0.24
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	4	0.24
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	4	0.24
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	4	0.24
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	5	0.24
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	9	0.24
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	6	0.24
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	6	0.24
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	6	0.24
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	7	0.24
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	7	0.24
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	7	0.24
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	15	0.24
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	15	0.24
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	15	0.24
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	14	0.24
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	14	0.24
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	14	0.24
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	4	0.24
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	11	0.24
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD21	17	0.24
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD22	17	0.24
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD23	17	0.24
(1,1741)	1:82:A:THR:HG21	1:86:A:ASN:HA	16	0.24
(1,1741)	1:82:A:THR:HG22	1:86:A:ASN:HA	16	0.24
(1,1741)	1:82:A:THR:HG23	1:86:A:ASN:HA	16	0.24
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	2	0.24
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	2	0.24
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	12	0.24
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	12	0.24
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	12	0.24
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	17	0.24
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	17	0.24
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	17	0.24
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	19	0.24
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	19	0.24
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	19	0.24
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	10	0.24
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	10	0.24
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	10	0.24
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	10	0.24
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	10	0.24
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	10	0.24
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	3	0.24
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	9	0.24
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	2	0.24
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	3	0.24
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	10	0.24
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	3	0.24
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	14	0.24
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	18	0.24
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	20	0.24
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	14	0.24
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	14	0.24
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	14	0.24
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	1	0.24
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	8	0.24
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	14	0.24
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	14	0.24
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	4	0.24
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	4	0.24
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	4	0.24
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	20	0.24
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	20	0.24
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	20	0.24
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	12	0.24
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	12	0.24
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	14	0.24
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	14	0.24
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	15	0.24
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	5	0.24
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	6	0.24
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	6	0.24
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	6	0.24
(1,282)	1:30:B:LYS:HD3	1:66:B:ASP:H	6	0.24
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	13	0.24
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	17	0.24
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	4	0.24
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	6	0.24
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	11	0.24
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	11	0.24
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	11	0.24
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	1	0.24
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	1	0.24
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	1	0.24
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	2	0.24
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	2	0.24
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	2	0.24
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	3	0.24
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	3	0.24
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	3	0.24
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	7	0.24
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	2	0.23
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	2	0.23
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	2	0.23
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	2	0.23
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	2	0.23
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	2	0.23
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	5	0.23
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	5	0.23
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	5	0.23
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	5	0.23
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	5	0.23
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	5	0.23
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG11	13	0.23
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG12	13	0.23
(1,2713)	1:76:B:VAL:HA	1:76:B:VAL:HG13	13	0.23
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG11	1	0.23
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG12	1	0.23
(1,2711)	1:76:A:VAL:HA	1:76:A:VAL:HG13	1	0.23
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG11	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG12	18	0.23
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG13	18	0.23
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG11	18	0.23
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG12	18	0.23
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG13	18	0.23
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG11	18	0.23
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG12	18	0.23
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG13	18	0.23
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	20	0.23
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	20	0.23
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	20	0.23
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	3	0.23
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	3	0.23
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	3	0.23
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	12	0.23
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	12	0.23
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	12	0.23
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	12	0.23
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	12	0.23
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	12	0.23
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	17	0.23
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	17	0.23
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	17	0.23
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	17	0.23
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	17	0.23
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	17	0.23
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	1	0.23
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG21	5	0.23
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG22	5	0.23
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG23	5	0.23
(1,2087)	1:37:A:LEU:HD21	1:38:A:GLN:HG3	11	0.23
(1,2087)	1:37:A:LEU:HD22	1:38:A:GLN:HG3	11	0.23
(1,2087)	1:37:A:LEU:HD23	1:38:A:GLN:HG3	11	0.23
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	6	0.23
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	7	0.23
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	7	0.23
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	7	0.23
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	9	0.23
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	9	0.23
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	9	0.23
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	15	0.23
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	15	0.23
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	1	0.23
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	1	0.23
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	1	0.23
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	18	0.23
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	18	0.23
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	18	0.23
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	3	0.23
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	3	0.23
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	3	0.23
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	7	0.23
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	7	0.23
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	7	0.23
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	15	0.23
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	15	0.23
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	15	0.23
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG21	19	0.23
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG22	19	0.23
(1,1863)	1:65:A:GLY:HA2	1:69:A:VAL:HG23	19	0.23
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG21	19	0.23
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG22	19	0.23
(1,1863)	1:65:A:GLY:HA3	1:69:A:VAL:HG23	19	0.23
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	7	0.23
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	7	0.23
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	7	0.23
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	8	0.23
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	8	0.23
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	8	0.23
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	13	0.23
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	13	0.23
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	13	0.23
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	7	0.23
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	7	0.23
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	7	0.23
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	13	0.23
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	13	0.23
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	13	0.23
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	5	0.23
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	5	0.23
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	5	0.23
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	9	0.23
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	9	0.23
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	10	0.23
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	10	0.23
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	10	0.23
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	18	0.23
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	18	0.23
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	18	0.23
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	19	0.23
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	19	0.23
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	19	0.23
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	4	0.23
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	4	0.23
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	4	0.23
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	5	0.23
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	5	0.23
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	5	0.23
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	8	0.23
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	8	0.23
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	8	0.23
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	19	0.23
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	19	0.23
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	19	0.23
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	20	0.23
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	20	0.23
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	20	0.23
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	15	0.23
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	20	0.23
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	4	0.23
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	15	0.23
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	14	0.23
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	2	0.23
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	2	0.23
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	3	0.23
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	3	0.23
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	5	0.23
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	8	0.23
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	16	0.23
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	17	0.23
(1,608)	1:47:B:ALA:H	1:48:B:GLN:HG3	4	0.23
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	20	0.23
(1,528)	1:31:B:LYS:HG2	1:65:B:GLY:H	6	0.23
(1,528)	1:31:B:LYS:HG3	1:65:B:GLY:H	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	7	0.23
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	7	0.23
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	7	0.23
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	12	0.23
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	12	0.23
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	12	0.23
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	15	0.23
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	15	0.23
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	15	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	9	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	9	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	9	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	18	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	18	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	18	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	20	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	20	0.23
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	20	0.23
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	11	0.23
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	11	0.23
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	3	0.23
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	8	0.23
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	17	0.23
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	17	0.23
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	17	0.23
(1,373)	1:10:A:THR:HG21	1:13:A:ASN:HD22	12	0.23
(1,373)	1:10:A:THR:HG22	1:13:A:ASN:HD22	12	0.23
(1,373)	1:10:A:THR:HG23	1:13:A:ASN:HD22	12	0.23
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	6	0.23
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	11	0.23
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	20	0.23
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	7	0.23
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	13	0.23
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	6	0.23
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	12	0.23
(1,243)	1:45:A:LEU:H	1:48:A:GLN:HG2	15	0.23
(1,193)	1:5:A:GLU:HG3	1:7:A:ALA:H	11	0.23
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	20	0.23
(1,98)	1:43:B:GLY:H	1:44:B:PHE:HD1	16	0.23
(1,98)	1:43:B:GLY:H	1:44:B:PHE:HD2	16	0.23
(1,3180)	1:76:B:VAL:HG21	1:72:A:GLN:HG3	19	0.22
(1,3180)	1:76:B:VAL:HG22	1:72:A:GLN:HG3	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3180)	1:76:B:VAL:HG23	1:72:A:GLN:HG3	19	0.22
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG21	19	0.22
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG22	19	0.22
(1,3162)	1:72:A:GLN:HG3	1:76:B:VAL:HG23	19	0.22
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	2	0.22
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	2	0.22
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	2	0.22
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	8	0.22
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	8	0.22
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	8	0.22
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	13	0.22
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	13	0.22
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	13	0.22
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	18	0.22
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	18	0.22
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	18	0.22
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	2	0.22
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	2	0.22
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	2	0.22
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	8	0.22
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	8	0.22
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	8	0.22
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	13	0.22
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	13	0.22
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	13	0.22
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	18	0.22
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	18	0.22
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	18	0.22
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	16	0.22
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	16	0.22
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	16	0.22
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	16	0.22
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	16	0.22
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	16	0.22
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	16	0.22
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	16	0.22
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	16	0.22
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	16	0.22
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	16	0.22
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	16	0.22
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	16	0.22
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	16	0.22
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	16	0.22
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	16	0.22
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	16	0.22
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	5	0.22
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	5	0.22
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	5	0.22
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	18	0.22
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	18	0.22
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	18	0.22
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	1	0.22
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	3	0.22
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	3	0.22
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	3	0.22
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	9	0.22
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	9	0.22
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	9	0.22
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	5	0.22
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	5	0.22
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	5	0.22
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	6	0.22
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	6	0.22
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	6	0.22
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	9	0.22
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	9	0.22
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	9	0.22
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	19	0.22
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	19	0.22
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	19	0.22
(1,1432)	1:48:B:GLN:H	1:48:B:GLN:HG2	17	0.22
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	3	0.22
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	3	0.22
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	3	0.22
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	8	0.22
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	8	0.22
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	8	0.22
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	12	0.22
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	12	0.22
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	12	0.22
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	2	0.22
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	2	0.22
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	7	0.22
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	7	0.22
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	7	0.22
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	18	0.22
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	18	0.22
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	18	0.22
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	20	0.22
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	12	0.22
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	14	0.22
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	16	0.22
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	16	0.22
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	16	0.22
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	9	0.22
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	9	0.22
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	9	0.22
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	19	0.22
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	19	0.22
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	19	0.22
(1,1057)	1:69:A:VAL:HG11	1:73:A:GLU:H	17	0.22
(1,1057)	1:69:A:VAL:HG12	1:73:A:GLU:H	17	0.22
(1,1057)	1:69:A:VAL:HG13	1:73:A:GLU:H	17	0.22
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	17	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	1	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	1	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	7	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	7	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	13	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	13	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	15	0.22
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	15	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	1	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	1	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	2	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	2	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	3	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	3	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	4	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	4	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	12	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	12	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	20	0.22
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	13	0.22
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	13	0.22
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	15	0.22
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	12	0.22
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	12	0.22
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	12	0.22
(1,672)	1:47:B:ALA:H	1:48:B:GLN:HG2	14	0.22
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	11	0.22
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	11	0.22
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	11	0.22
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	6	0.22
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	6	0.22
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	6	0.22
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	18	0.22
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	6	0.22
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	6	0.22
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	6	0.22
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	8	0.22
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	8	0.22
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	8	0.22
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	7	0.22
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	7	0.22
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	7	0.22
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	14	0.22
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	14	0.22
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	14	0.22
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	8	0.22
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	8	0.22
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	14	0.22
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	16	0.22
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	2	0.22
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	15	0.22
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	2	0.22
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	19	0.22
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	9	0.22
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	9	0.22
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	9	0.22
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	11	0.22
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	11	0.22
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	11	0.22
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	18	0.22
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	18	0.22
(1,194)	1:5:B:GLU:HG3	1:7:B:ALA:H	10	0.22
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	9	0.22
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	19	0.22
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	16	0.22
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	15	0.22
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	15	0.22
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	15	0.22
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	16	0.22
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	16	0.22
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	16	0.22
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	8	0.22
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	8	0.22
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	8	0.22
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	10	0.21
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	10	0.21
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	10	0.21
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	17	0.21
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	17	0.21
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	17	0.21
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	10	0.21
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	10	0.21
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	10	0.21
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	17	0.21
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	17	0.21
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	17	0.21
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	3	0.21
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	3	0.21
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	3	0.21
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	5	0.21
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	5	0.21
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	5	0.21
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG11	8	0.21
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG12	8	0.21
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG13	8	0.21
(1,2826)	1:75:B:VAL:HG11	1:78:A:VAL:H	8	0.21
(1,2826)	1:75:B:VAL:HG12	1:78:A:VAL:H	8	0.21
(1,2826)	1:75:B:VAL:HG13	1:78:A:VAL:H	8	0.21
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	3	0.21
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	3	0.21
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	3	0.21
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	5	0.21
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	5	0.21
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	11	0.21
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	9	0.21
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	9	0.21
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	11	0.21
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	7	0.21
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	7	0.21
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	7	0.21
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	3	0.21
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	3	0.21
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	17	0.21
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	19	0.21
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	5	0.21
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	5	0.21
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	5	0.21
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	19	0.21
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	19	0.21
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	19	0.21
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	17	0.21
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB1	8	0.21
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB2	8	0.21
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB3	8	0.21
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	1	0.21
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	1	0.21
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	1	0.21
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	15	0.21
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	15	0.21
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	15	0.21
(1,1452)	1:54:B:VAL:HB	1:55:B:ASP:H	9	0.21
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	11	0.21
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	11	0.21
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	11	0.21
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	12	0.21
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	12	0.21
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	12	0.21
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	13	0.21
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	13	0.21
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	13	0.21
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	3	0.21
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	14	0.21
(1,1294)	1:75:B:VAL:HB	1:76:B:VAL:H	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	17	0.21
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	12	0.21
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	16	0.21
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	8	0.21
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	8	0.21
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	11	0.21
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	11	0.21
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	14	0.21
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	14	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	7	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	7	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	14	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	14	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	15	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	15	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	16	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	16	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	17	0.21
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	17	0.21
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	14	0.21
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	6	0.21
(1,659)	1:3:A:GLU:HG3	1:4:A:LEU:H	16	0.21
(1,650)	1:45:B:LEU:HB2	1:47:B:ALA:H	20	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	4	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	4	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	4	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	16	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	16	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	16	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	19	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	19	0.21
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	19	0.21
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	7	0.21
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	9	0.21
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	9	0.21
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	9	0.21
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	3	0.21
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	3	0.21
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	2	0.21
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	4	0.21
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	19	0.21
(1,385)	1:7:A:ALA:H	1:8:A:MET:HG3	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	1	0.21
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	8	0.21
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	1	0.21
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	1	0.21
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	1	0.21
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	13	0.21
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	13	0.21
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	13	0.21
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	16	0.21
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	16	0.21
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	16	0.21
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	12	0.21
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	12	0.21
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	12	0.21
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	13	0.21
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	17	0.21
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	10	0.21
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	20	0.21
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	20	0.21
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	20	0.21
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG21	1	0.21
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG22	1	0.21
(1,71)	1:73:A:GLU:H	1:75:A:VAL:HG23	1	0.21
(1,3195)	1:87:A:ASN:HD21	1:72:B:GLN:H	1	0.2
(1,3195)	1:87:A:ASN:HD22	1:72:B:GLN:H	1	0.2
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD21	1	0.2
(1,3160)	1:72:B:GLN:H	1:87:A:ASN:HD22	1	0.2
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	16	0.2
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	16	0.2
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	16	0.2
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD11	12	0.2
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD12	12	0.2
(1,3151)	1:41:B:LEU:HB3	1:4:A:LEU:HD13	12	0.2
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	16	0.2
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	16	0.2
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	16	0.2
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	16	0.2
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	16	0.2
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	16	0.2
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	16	0.2
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	16	0.2
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3125)	1:4:A:LEU:HD11	1:41:B:LEU:HB3	12	0.2
(1,3125)	1:4:A:LEU:HD12	1:41:B:LEU:HB3	12	0.2
(1,3125)	1:4:A:LEU:HD13	1:41:B:LEU:HB3	12	0.2
(1,3107)	1:26:A:TYR:HE1	1:89:B:PHE:HA	5	0.2
(1,3107)	1:26:A:TYR:HE2	1:89:B:PHE:HA	5	0.2
(1,3106)	1:89:B:PHE:HA	1:26:A:TYR:HE1	5	0.2
(1,3106)	1:89:B:PHE:HA	1:26:A:TYR:HE2	5	0.2
(1,3019)	1:7:A:ALA:HB1	1:10:B:THR:HB	16	0.2
(1,3019)	1:7:A:ALA:HB2	1:10:B:THR:HB	16	0.2
(1,3019)	1:7:A:ALA:HB3	1:10:B:THR:HB	16	0.2
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB1	16	0.2
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB2	16	0.2
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB3	16	0.2
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	15	0.2
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	15	0.2
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	15	0.2
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	20	0.2
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	20	0.2
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	20	0.2
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	15	0.2
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	15	0.2
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	15	0.2
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	20	0.2
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	20	0.2
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	20	0.2
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	18	0.2
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	18	0.2
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	18	0.2
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	4	0.2
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	4	0.2
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	4	0.2
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	4	0.2
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	4	0.2
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	4	0.2
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	4	0.2
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	4	0.2
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	4	0.2
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	9	0.2
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	9	0.2
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	9	0.2
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	9	0.2
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	9	0.2
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG21	13	0.2
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG22	13	0.2
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG23	13	0.2
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG21	18	0.2
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG22	18	0.2
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG23	18	0.2
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	3	0.2
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	8	0.2
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	8	0.2
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	5	0.2
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	5	0.2
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	5	0.2
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	2	0.2
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	2	0.2
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	2	0.2
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	20	0.2
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	20	0.2
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	20	0.2
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	13	0.2
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	13	0.2
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	13	0.2
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG21	6	0.2
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG22	6	0.2
(1,1864)	1:65:B:GLY:HA2	1:69:B:VAL:HG23	6	0.2
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG21	6	0.2
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG22	6	0.2
(1,1864)	1:65:B:GLY:HA3	1:69:B:VAL:HG23	6	0.2
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	11	0.2
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	11	0.2
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	11	0.2
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD21	13	0.2
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD22	13	0.2
(1,1778)	1:42:B:SER:HB3	1:45:B:LEU:HD23	13	0.2
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	16	0.2
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	16	0.2
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	16	0.2
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	4	0.2
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	4	0.2
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	4	0.2
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	16	0.2
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	16	0.2
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	3	0.2
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	3	0.2
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	3	0.2
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	17	0.2
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	17	0.2
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	17	0.2
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	5	0.2
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	14	0.2
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	9	0.2
(1,834)	1:35:B:GLU:HG2	1:36:B:LEU:H	6	0.2
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	12	0.2
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	12	0.2
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	5	0.2
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	5	0.2
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	1	0.2
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	16	0.2
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	17	0.2
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	2	0.2
(1,671)	1:47:A:ALA:H	1:48:A:GLN:HG2	15	0.2
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	19	0.2
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	14	0.2
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	14	0.2
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	14	0.2
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	6	0.2
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	6	0.2
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	6	0.2
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	11	0.2
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	13	0.2
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	4	0.2
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	5	0.2
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	12	0.2
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	12	0.2
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	15	0.2
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	12	0.2
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	12	0.2
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	12	0.2
(1,244)	1:45:B:LEU:H	1:48:B:GLN:HG2	14	0.2
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	4	0.2
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	15	0.2
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	10	0.19
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	10	0.19
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	10	0.19
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	10	0.19
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	10	0.19
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	8	0.19
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	8	0.19
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG11	7	0.19
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG12	7	0.19
(1,2705)	1:75:B:VAL:HG11	1:76:B:VAL:HG13	7	0.19
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG11	7	0.19
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG12	7	0.19
(1,2705)	1:75:B:VAL:HG12	1:76:B:VAL:HG13	7	0.19
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG11	7	0.19
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG12	7	0.19
(1,2705)	1:75:B:VAL:HG13	1:76:B:VAL:HG13	7	0.19
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	8	0.19
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	8	0.19
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	8	0.19
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG21	14	0.19
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG22	14	0.19
(1,2357)	1:48:A:GLN:HA	1:54:A:VAL:HG23	14	0.19
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	2	0.19
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	2	0.19
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	2	0.19
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	2	0.19
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	2	0.19
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	2	0.19
(1,2239)	1:3:A:GLU:HG3	1:4:A:LEU:HA	4	0.19
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	6	0.19
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	16	0.19
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	1	0.19
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	1	0.19
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	17	0.19
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	17	0.19
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	5	0.19
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	5	0.19
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	15	0.19
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	1	0.19
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	1	0.19
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	1	0.19
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	18	0.19
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	18	0.19
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	20	0.19
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	20	0.19
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	20	0.19
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	1	0.19
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	1	0.19
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	1	0.19
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	2	0.19
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	2	0.19
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	2	0.19
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	11	0.19
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	11	0.19
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	11	0.19
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	13	0.19
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	13	0.19
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	13	0.19
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	10	0.19
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	10	0.19
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	10	0.19
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	3	0.19
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	5	0.19
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	5	0.19
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	5	0.19
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	6	0.19
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	6	0.19
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	6	0.19
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	11	0.19
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	11	0.19
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	11	0.19
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	18	0.19
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	18	0.19
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	18	0.19
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	2	0.19
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	2	0.19
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	2	0.19
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	13	0.19
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	13	0.19
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	13	0.19
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	9	0.19
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	9	0.19
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	9	0.19
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	15	0.19
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	15	0.19
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	2	0.19
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	4	0.19
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	2	0.19
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	2	0.19
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	2	0.19
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	6	0.19
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	6	0.19
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	6	0.19
(1,1058)	1:69:B:VAL:HG11	1:73:B:GLU:H	3	0.19
(1,1058)	1:69:B:VAL:HG12	1:73:B:GLU:H	3	0.19
(1,1058)	1:69:B:VAL:HG13	1:73:B:GLU:H	3	0.19
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	4	0.19
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	15	0.19
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	1	0.19
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	5	0.19
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	7	0.19
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	9	0.19
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	10	0.19
(1,671)	1:47:A:ALA:H	1:48:A:GLN:HG2	10	0.19
(1,649)	1:45:A:LEU:HB2	1:47:A:ALA:H	4	0.19
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	17	0.19
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	17	0.19
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	17	0.19
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	12	0.19
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	12	0.19
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	12	0.19
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	17	0.19
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	17	0.19
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	17	0.19
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	5	0.19
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	5	0.19
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	5	0.19
(1,607)	1:47:A:ALA:H	1:48:A:GLN:HG3	4	0.19
(1,598)	1:48:B:GLN:HG2	1:49:B:LYS:H	7	0.19
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG21	11	0.19
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG22	11	0.19
(1,539)	1:31:A:LYS:H	1:69:A:VAL:HG23	11	0.19
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	3	0.19
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	13	0.19
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:7:A:ALA:H	1:8:A:MET:HG3	15	0.19
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	18	0.19
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	18	0.19
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	18	0.19
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	7	0.19
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	16	0.19
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	12	0.19
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	18	0.19
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	3	0.19
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	3	0.19
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	3	0.19
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	3	0.19
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD21	18	0.18
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD22	18	0.18
(1,3150)	1:41:A:LEU:HB3	1:4:B:LEU:HD23	18	0.18
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	2	0.18
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	2	0.18
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	2	0.18
(1,3128)	1:4:B:LEU:HD21	1:41:A:LEU:HB3	18	0.18
(1,3128)	1:4:B:LEU:HD22	1:41:A:LEU:HB3	18	0.18
(1,3128)	1:4:B:LEU:HD23	1:41:A:LEU:HB3	18	0.18
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	2	0.18
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	2	0.18
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	2	0.18
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	10	0.18
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	10	0.18
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	10	0.18
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	10	0.18
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	10	0.18
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	10	0.18
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	18	0.18
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	5	0.18
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	5	0.18
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	18	0.18
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG11	12	0.18
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG12	12	0.18
(1,2695)	1:73:B:GLU:HA	1:76:B:VAL:HG13	12	0.18
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	2	0.18
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	2	0.18
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	2	0.18
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	11	0.18
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	11	0.18
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD11	12	0.18
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD12	12	0.18
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD13	12	0.18
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD2	7	0.18
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD3	7	0.18
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	11	0.18
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	2	0.18
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	2	0.18
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	10	0.18
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	10	0.18
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	12	0.18
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	12	0.18
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	14	0.18
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	14	0.18
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	19	0.18
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	19	0.18
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	20	0.18
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	13	0.18
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	8	0.18
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	8	0.18
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	8	0.18
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	4	0.18
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	19	0.18
(1,1830)	1:79:B:ALA:HB1	1:81:B:LEU:HG	17	0.18
(1,1830)	1:79:B:ALA:HB2	1:81:B:LEU:HG	17	0.18
(1,1830)	1:79:B:ALA:HB3	1:81:B:LEU:HG	17	0.18
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD21	10	0.18
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD22	10	0.18
(1,1828)	1:37:B:LEU:HA	1:41:B:LEU:HD23	10	0.18
(1,1538)	1:54:B:VAL:HG11	1:55:B:ASP:H	10	0.18
(1,1538)	1:54:B:VAL:HG12	1:55:B:ASP:H	10	0.18
(1,1538)	1:54:B:VAL:HG13	1:55:B:ASP:H	10	0.18
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	1	0.18
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	1	0.18
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	1	0.18
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	6	0.18
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	6	0.18
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	6	0.18
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	7	0.18
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	7	0.18
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	14	0.18
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	14	0.18
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	14	0.18
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	17	0.18
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	17	0.18
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	17	0.18
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	20	0.18
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	20	0.18
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	20	0.18
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	6	0.18
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	6	0.18
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	6	0.18
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	14	0.18
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	14	0.18
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	14	0.18
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	7	0.18
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	9	0.18
(1,1269)	1:36:A:LEU:HD11	1:41:A:LEU:H	1	0.18
(1,1269)	1:36:A:LEU:HD12	1:41:A:LEU:H	1	0.18
(1,1269)	1:36:A:LEU:HD13	1:41:A:LEU:H	1	0.18
(1,1057)	1:69:A:VAL:HG11	1:73:A:GLU:H	16	0.18
(1,1057)	1:69:A:VAL:HG12	1:73:A:GLU:H	16	0.18
(1,1057)	1:69:A:VAL:HG13	1:73:A:GLU:H	16	0.18
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	14	0.18
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	12	0.18
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	7	0.18
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	6	0.18
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	6	0.18
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	8	0.18
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	8	0.18
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	10	0.18
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	10	0.18
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	6	0.18
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	8	0.18
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	11	0.18
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	15	0.18
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	18	0.18
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	4	0.18
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	11	0.18
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	19	0.18
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	19	0.18
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	19	0.18
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	16	0.18
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD21	11	0.18
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD22	11	0.18
(1,514)	1:34:B:LYS:H	1:36:B:LEU:HD23	11	0.18
(1,476)	1:45:B:LEU:HB3	1:48:B:GLN:HE22	4	0.18
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	14	0.18
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	14	0.18
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	16	0.18
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	16	0.18
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	10	0.18
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	2	0.18
(1,386)	1:7:B:ALA:H	1:8:B:MET:HG3	15	0.18
(1,386)	1:7:B:ALA:H	1:8:B:MET:HG3	16	0.18
(1,385)	1:7:A:ALA:H	1:8:A:MET:HG3	20	0.18
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	9	0.18
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	9	0.18
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	13	0.18
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	13	0.18
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	13	0.18
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	19	0.18
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	7	0.18
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	7	0.18
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	9	0.17
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	9	0.17
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	9	0.17
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD21	13	0.17
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD22	13	0.17
(1,3154)	1:41:A:LEU:HG	1:4:B:LEU:HD23	13	0.17
(1,3132)	1:4:B:LEU:HD21	1:41:A:LEU:HG	13	0.17
(1,3132)	1:4:B:LEU:HD22	1:41:A:LEU:HG	13	0.17
(1,3132)	1:4:B:LEU:HD23	1:41:A:LEU:HG	13	0.17
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	9	0.17
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	9	0.17
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	9	0.17
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	20	0.17
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	1	0.17
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	11	0.17
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	1	0.17
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	11	0.17
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	20	0.17
(1,2719)	1:76:A:VAL:HG11	1:80:A:ALA:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2719)	1:76:A:VAL:HG12	1:80:A:ALA:H	5	0.17
(1,2719)	1:76:A:VAL:HG13	1:80:A:ALA:H	5	0.17
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD2	13	0.17
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD3	13	0.17
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	15	0.17
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	15	0.17
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	15	0.17
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	15	0.17
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	15	0.17
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	15	0.17
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	15	0.17
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	15	0.17
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	15	0.17
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	7	0.17
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	7	0.17
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	7	0.17
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	7	0.17
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	7	0.17
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	7	0.17
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	8	0.17
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	4	0.17
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	4	0.17
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	4	0.17
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	8	0.17
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	8	0.17
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	8	0.17
(1,1537)	1:54:A:VAL:HG11	1:55:A:ASP:H	11	0.17
(1,1537)	1:54:A:VAL:HG12	1:55:A:ASP:H	11	0.17
(1,1537)	1:54:A:VAL:HG13	1:55:A:ASP:H	11	0.17
(1,1388)	1:14:B:VAL:HG11	1:15:B:PHE:H	15	0.17
(1,1388)	1:14:B:VAL:HG12	1:15:B:PHE:H	15	0.17
(1,1388)	1:14:B:VAL:HG13	1:15:B:PHE:H	15	0.17
(1,1387)	1:14:A:VAL:HG11	1:15:A:PHE:H	16	0.17
(1,1387)	1:14:A:VAL:HG12	1:15:A:PHE:H	16	0.17
(1,1387)	1:14:A:VAL:HG13	1:15:A:PHE:H	16	0.17
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	18	0.17
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	8	0.17
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	9	0.17
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	12	0.17
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	12	0.17
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	12	0.17
(1,1057)	1:69:A:VAL:HG11	1:73:A:GLU:H	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:69:A:VAL:HG12	1:73:A:GLU:H	14	0.17
(1,1057)	1:69:A:VAL:HG13	1:73:A:GLU:H	14	0.17
(1,990)	1:10:B:THR:HB	1:11:B:LEU:H	16	0.17
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	10	0.17
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	11	0.17
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	2	0.17
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	10	0.17
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	16	0.17
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	16	0.17
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	16	0.17
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	17	0.17
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	17	0.17
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	7	0.17
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	9	0.17
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	12	0.17
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	20	0.17
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	20	0.17
(1,659)	1:3:A:GLU:HG3	1:4:A:LEU:H	5	0.17
(1,611)	1:37:A:LEU:HD11	1:81:A:LEU:H	11	0.17
(1,611)	1:37:A:LEU:HD12	1:81:A:LEU:H	11	0.17
(1,611)	1:37:A:LEU:HD13	1:81:A:LEU:H	11	0.17
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	6	0.17
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	6	0.17
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	6	0.17
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	10	0.17
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	10	0.17
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	10	0.17
(1,597)	1:48:A:GLN:HG2	1:49:A:LYS:H	16	0.17
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	7	0.17
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	17	0.17
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	17	0.17
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	17	0.17
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	1	0.17
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	1	0.17
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	1	0.17
(1,281)	1:30:A:LYS:HD3	1:66:A:ASP:H	12	0.17
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	4	0.17
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	4	0.17
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	4	0.17
(1,226)	1:41:B:LEU:H	1:42:B:SER:HA	10	0.17
(1,225)	1:41:A:LEU:H	1:42:A:SER:HA	3	0.17
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3178)	1:76:A:VAL:HG21	1:72:B:GLN:HG3	13	0.16
(1,3178)	1:76:A:VAL:HG22	1:72:B:GLN:HG3	13	0.16
(1,3178)	1:76:A:VAL:HG23	1:72:B:GLN:HG3	13	0.16
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG21	13	0.16
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG22	13	0.16
(1,3164)	1:72:B:GLN:HG3	1:76:A:VAL:HG23	13	0.16
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	7	0.16
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	7	0.16
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	7	0.16
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	7	0.16
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	7	0.16
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	7	0.16
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	7	0.16
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	7	0.16
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	7	0.16
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	18	0.16
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	18	0.16
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	18	0.16
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	18	0.16
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	18	0.16
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	18	0.16
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	18	0.16
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	18	0.16
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	18	0.16
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	7	0.16
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	7	0.16
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	7	0.16
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	7	0.16
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	7	0.16
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	7	0.16
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	7	0.16
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	7	0.16
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	7	0.16
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	18	0.16
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	18	0.16
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	18	0.16
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	18	0.16
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	18	0.16
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	18	0.16
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	18	0.16
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	18	0.16
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	14	0.16
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	14	0.16
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	14	0.16
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG11	4	0.16
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG12	4	0.16
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG13	4	0.16
(1,2826)	1:75:B:VAL:HG11	1:78:A:VAL:H	4	0.16
(1,2826)	1:75:B:VAL:HG12	1:78:A:VAL:H	4	0.16
(1,2826)	1:75:B:VAL:HG13	1:78:A:VAL:H	4	0.16
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	14	0.16
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	14	0.16
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	14	0.16
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	10	0.16
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	10	0.16
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	10	0.16
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	10	0.16
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	10	0.16
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	10	0.16
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	10	0.16
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	10	0.16
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	10	0.16
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE1	17	0.16
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE2	17	0.16
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE3	17	0.16
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	11	0.16
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	11	0.16
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	11	0.16
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	13	0.16
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	13	0.16
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	10	0.16
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	10	0.16
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	10	0.16
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD21	11	0.16
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD22	11	0.16
(1,1964)	1:33:B:LEU:HA	1:37:B:LEU:HD23	11	0.16
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	18	0.16
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	18	0.16
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	18	0.16
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	11	0.16
(1,1058)	1:69:B:VAL:HG11	1:73:B:GLU:H	19	0.16
(1,1058)	1:69:B:VAL:HG12	1:73:B:GLU:H	19	0.16
(1,1058)	1:69:B:VAL:HG13	1:73:B:GLU:H	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	14	0.16
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	6	0.16
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	7	0.16
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	13	0.16
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	19	0.16
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	6	0.16
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	11	0.16
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	6	0.16
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	6	0.16
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	9	0.16
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	9	0.16
(1,650)	1:45:B:LEU:HB2	1:47:B:ALA:H	7	0.16
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	17	0.16
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	17	0.16
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	17	0.16
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	14	0.16
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	11	0.16
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	11	0.16
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	11	0.16
(1,475)	1:45:A:LEU:HB3	1:48:A:GLN:HE22	17	0.16
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB2	4	0.16
(1,470)	1:54:B:VAL:H	1:56:B:LYS:HB3	4	0.16
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	7	0.16
(1,385)	1:7:A:ALA:H	1:8:A:MET:HG3	16	0.16
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	6	0.16
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	6	0.16
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	6	0.16
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	12	0.16
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	19	0.16
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	1	0.16
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	5	0.16
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	5	0.16
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	5	0.16
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	14	0.16
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	14	0.16
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	14	0.16
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	18	0.16
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	18	0.16
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	18	0.16
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	6	0.16
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	6	0.16
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	14	0.16
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	14	0.16
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	14	0.16
(1,225)	1:41:A:LEU:H	1:42:A:SER:HA	8	0.16
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	4	0.16
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	8	0.16
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	3	0.16
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	20	0.16
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	1	0.16
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	3	0.16
(1,105)	1:40:A:GLU:HA	1:42:A:SER:H	10	0.16
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	15	0.16
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	15	0.16
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	14	0.16
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	14	0.16
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	14	0.16
(1,3193)	1:87:A:ASN:HD21	1:71:B:PHE:H	9	0.15
(1,3193)	1:87:A:ASN:HD22	1:71:B:PHE:H	9	0.15
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD21	9	0.15
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD22	9	0.15
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	10	0.15
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	10	0.15
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	10	0.15
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	10	0.15
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	10	0.15
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	10	0.15
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	17	0.15
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	17	0.15
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	17	0.15
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	17	0.15
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	17	0.15
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	17	0.15
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	17	0.15
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	17	0.15
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	17	0.15
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	17	0.15
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	17	0.15
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	17	0.15
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	17	0.15
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	17	0.15
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	17	0.15
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	17	0.15
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	17	0.15
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	1	0.15
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	3	0.15
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	3	0.15
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	1	0.15
(1,2570)	1:25:B:LYS:H	1:25:B:LYS:HG2	6	0.15
(1,2570)	1:25:B:LYS:H	1:25:B:LYS:HG3	6	0.15
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	2	0.15
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	2	0.15
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	2	0.15
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	2	0.15
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	2	0.15
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	2	0.15
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	2	0.15
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	2	0.15
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	2	0.15
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	1	0.15
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	1	0.15
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	1	0.15
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	1	0.15
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	5	0.15
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	7	0.15
(1,1940)	1:61:B:LEU:HD11	1:64:B:ASN:HB3	10	0.15
(1,1940)	1:61:B:LEU:HD12	1:64:B:ASN:HB3	10	0.15
(1,1940)	1:61:B:LEU:HD13	1:64:B:ASN:HB3	10	0.15
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	1	0.15
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	1	0.15
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	1	0.15
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	18	0.15
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	18	0.15
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	18	0.15
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	2	0.15
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	2	0.15
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	2	0.15
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	8	0.15
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	3	0.15
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	3	0.15
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	3	0.15
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	20	0.15
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	20	0.15
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB1	1	0.15
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB2	1	0.15
(1,1731)	1:76:A:VAL:HA	1:80:A:ALA:HB3	1	0.15
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	2	0.15
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	18	0.15
(1,1294)	1:75:B:VAL:HB	1:76:B:VAL:H	1	0.15
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	6	0.15
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	17	0.15
(1,1270)	1:36:B:LEU:HD11	1:41:B:LEU:H	9	0.15
(1,1270)	1:36:B:LEU:HD12	1:41:B:LEU:H	9	0.15
(1,1270)	1:36:B:LEU:HD13	1:41:B:LEU:H	9	0.15
(1,1058)	1:69:B:VAL:HG11	1:73:B:GLU:H	13	0.15
(1,1058)	1:69:B:VAL:HG12	1:73:B:GLU:H	13	0.15
(1,1058)	1:69:B:VAL:HG13	1:73:B:GLU:H	13	0.15
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	1	0.15
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	15	0.15
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	8	0.15
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	20	0.15
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	4	0.15
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	5	0.15
(1,834)	1:35:B:GLU:HG2	1:36:B:LEU:H	4	0.15
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	10	0.15
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	10	0.15
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	18	0.15
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	18	0.15
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	12	0.15
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	7	0.15
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	7	0.15
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	7	0.15
(1,671)	1:47:A:ALA:H	1:48:A:GLN:HG2	20	0.15
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	3	0.15
(1,659)	1:3:A:GLU:HG3	1:4:A:LEU:H	8	0.15
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	5	0.15
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	5	0.15
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	5	0.15
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	10	0.15
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	10	0.15
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	10	0.15
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD21	12	0.15
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD22	12	0.15
(1,619)	1:42:A:SER:H	1:45:A:LEU:HD23	12	0.15
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE1	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE2	19	0.15
(1,610)	1:7:B:ALA:H	1:8:B:MET:HE3	19	0.15
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE1	12	0.15
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE2	12	0.15
(1,609)	1:7:A:ALA:H	1:8:A:MET:HE3	12	0.15
(1,570)	1:30:B:LYS:HD3	1:67:B:GLY:H	14	0.15
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	12	0.15
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	12	0.15
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	12	0.15
(1,374)	1:10:B:THR:HG21	1:13:B:ASN:HD22	13	0.15
(1,374)	1:10:B:THR:HG22	1:13:B:ASN:HD22	13	0.15
(1,374)	1:10:B:THR:HG23	1:13:B:ASN:HD22	13	0.15
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	4	0.15
(1,265)	1:37:A:LEU:HB2	1:40:A:GLU:H	10	0.15
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	17	0.15
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	17	0.15
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	17	0.15
(1,225)	1:41:A:LEU:H	1:42:A:SER:HA	14	0.15
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	10	0.15
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	15	0.15
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	9	0.15
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	13	0.15
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	1	0.15
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	6	0.15
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	12	0.15
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	13	0.15
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	14	0.15
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	15	0.15
(1,186)	1:27:B:LYS:H	1:28:B:LEU:HB2	18	0.15
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	7	0.15
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	12	0.15
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	13	0.15
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	15	0.15
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	18	0.15
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	20	0.15
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	19	0.15
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	19	0.15
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	20	0.15
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	20	0.15
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	5	0.14
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	5	0.14
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	5	0.14
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	5	0.14
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	5	0.14
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	5	0.14
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	5	0.14
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	5	0.14
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	5	0.14
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	5	0.14
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	5	0.14
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	5	0.14
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	5	0.14
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	5	0.14
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	5	0.14
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	5	0.14
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	5	0.14
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	6	0.14
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	6	0.14
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	6	0.14
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	7	0.14
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	7	0.14
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	7	0.14
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	15	0.14
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	15	0.14
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	15	0.14
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	20	0.14
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	20	0.14
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	20	0.14
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	1	0.14
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	1	0.14
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	1	0.14
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	7	0.14
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	7	0.14
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	7	0.14
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	9	0.14
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	9	0.14
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	9	0.14
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	18	0.14
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	18	0.14
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	18	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	1	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	1	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	7	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	7	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	7	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	9	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	9	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	9	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	18	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	18	0.14
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	18	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	6	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	6	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	6	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	7	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	7	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	7	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	15	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	15	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	15	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	20	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	20	0.14
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	20	0.14
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	11	0.14
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	11	0.14
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	11	0.14
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	19	0.14
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	19	0.14
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	19	0.14
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	11	0.14
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	11	0.14
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	11	0.14
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	19	0.14
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	19	0.14
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	19	0.14
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	1	0.14
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	1	0.14
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	1	0.14
(1,2600)	1:28:A:LEU:HD21	1:29:A:SER:H	2	0.14
(1,2600)	1:28:A:LEU:HD22	1:29:A:SER:H	2	0.14
(1,2600)	1:28:A:LEU:HD23	1:29:A:SER:H	2	0.14
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD21	8	0.14
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD22	8	0.14
(1,2584)	1:27:A:LYS:H	1:28:A:LEU:HD23	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD11	2	0.14
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD12	2	0.14
(1,2583)	1:27:A:LYS:H	1:28:A:LEU:HD13	2	0.14
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE1	3	0.14
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE2	3	0.14
(1,2429)	1:54:A:VAL:HG11	1:58:A:MET:HE3	3	0.14
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE1	3	0.14
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE2	3	0.14
(1,2429)	1:54:A:VAL:HG12	1:58:A:MET:HE3	3	0.14
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE1	3	0.14
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE2	3	0.14
(1,2429)	1:54:A:VAL:HG13	1:58:A:MET:HE3	3	0.14
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG21	14	0.14
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG22	14	0.14
(1,2358)	1:48:B:GLN:HA	1:54:B:VAL:HG23	14	0.14
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	3	0.14
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	3	0.14
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	3	0.14
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	3	0.14
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	3	0.14
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	3	0.14
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	18	0.14
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	18	0.14
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	16	0.14
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	16	0.14
(1,2020)	1:14:B:VAL:HG21	1:40:B:GLU:HG2	19	0.14
(1,2020)	1:14:B:VAL:HG22	1:40:B:GLU:HG2	19	0.14
(1,2020)	1:14:B:VAL:HG23	1:40:B:GLU:HG2	19	0.14
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB1	4	0.14
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB2	4	0.14
(1,1850)	1:51:B:VAL:HA	1:84:B:ALA:HB3	4	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	7	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	7	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	7	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	15	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	15	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	15	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	17	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	17	0.14
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	17	0.14
(1,1718)	1:3:B:GLU:HG3	1:6:B:THR:HB	5	0.14
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:75:B:VAL:HB	1:76:B:VAL:H	4	0.14
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	15	0.14
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	5	0.14
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	11	0.14
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	18	0.14
(1,833)	1:35:A:GLU:HG2	1:36:A:LEU:H	4	0.14
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	20	0.14
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	20	0.14
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG21	18	0.14
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG22	18	0.14
(1,707)	1:74:A:TYR:H	1:75:A:VAL:HG23	18	0.14
(1,672)	1:47:B:ALA:H	1:48:B:GLN:HG2	5	0.14
(1,671)	1:47:A:ALA:H	1:48:A:GLN:HG2	19	0.14
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	1	0.14
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	10	0.14
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	7	0.14
(1,385)	1:7:A:ALA:H	1:8:A:MET:HG3	9	0.14
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	1	0.14
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	6	0.14
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	19	0.14
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	13	0.14
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	13	0.14
(1,3193)	1:87:A:ASN:HD21	1:71:B:PHE:H	6	0.13
(1,3193)	1:87:A:ASN:HD22	1:71:B:PHE:H	6	0.13
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD21	6	0.13
(1,3158)	1:71:B:PHE:H	1:87:A:ASN:HD22	6	0.13
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	11	0.13
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	11	0.13
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	11	0.13
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	20	0.13
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	20	0.13
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	20	0.13
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	17	0.13
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	17	0.13
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	17	0.13
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	11	0.13
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	11	0.13
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	11	0.13
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	20	0.13
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	20	0.13
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	20	0.13
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	17	0.13
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	17	0.13
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	15	0.13
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	15	0.13
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	15	0.13
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	15	0.13
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	15	0.13
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	15	0.13
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	15	0.13
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	15	0.13
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	15	0.13
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	15	0.13
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	15	0.13
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	15	0.13
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	15	0.13
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	15	0.13
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	15	0.13
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	15	0.13
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	15	0.13
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	15	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	2	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	2	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	2	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	3	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	3	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	3	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	9	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	9	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	9	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	11	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	11	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	11	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	12	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	12	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	12	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	14	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	14	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	14	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	16	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	16	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	16	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	17	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	17	0.13
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	19	0.13
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	19	0.13
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	19	0.13
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	2	0.13
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	2	0.13
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	2	0.13
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	4	0.13
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	4	0.13
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	4	0.13
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	8	0.13
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	8	0.13
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	8	0.13
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	16	0.13
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	16	0.13
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	16	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	2	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	2	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	2	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	4	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	4	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	4	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	8	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	8	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	8	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	16	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	16	0.13
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	16	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	2	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	2	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	2	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	3	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	3	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	3	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	9	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	9	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	9	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	11	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	11	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	11	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	12	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	12	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	14	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	14	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	14	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	16	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	16	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	16	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	17	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	17	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	17	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	19	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	19	0.13
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	19	0.13
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	7	0.13
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	14	0.13
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	17	0.13
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	7	0.13
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	14	0.13
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	17	0.13
(1,2614)	1:28:B:LEU:HD21	1:69:B:VAL:H	6	0.13
(1,2614)	1:28:B:LEU:HD22	1:69:B:VAL:H	6	0.13
(1,2614)	1:28:B:LEU:HD23	1:69:B:VAL:H	6	0.13
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	15	0.13
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	15	0.13
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	15	0.13
(1,2599)	1:28:A:LEU:HD11	1:29:A:SER:H	12	0.13
(1,2599)	1:28:A:LEU:HD12	1:29:A:SER:H	12	0.13
(1,2599)	1:28:A:LEU:HD13	1:29:A:SER:H	12	0.13
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD21	11	0.13
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD22	11	0.13
(1,2586)	1:27:B:LYS:H	1:28:B:LEU:HD23	11	0.13
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD2	3	0.13
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD3	3	0.13
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD2	14	0.13
(1,2571)	1:25:A:LYS:H	1:25:A:LYS:HD3	14	0.13
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG2	16	0.13
(1,2250)	1:54:B:VAL:HG11	1:58:B:MET:HG3	16	0.13
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG2	16	0.13
(1,2250)	1:54:B:VAL:HG12	1:58:B:MET:HG3	16	0.13
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG2	16	0.13
(1,2250)	1:54:B:VAL:HG13	1:58:B:MET:HG3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG21	12	0.13
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG22	12	0.13
(1,2218)	1:48:B:GLN:HG3	1:54:B:VAL:HG23	12	0.13
(1,2192)	1:55:B:ASP:HA	1:58:B:MET:HB3	5	0.13
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	2	0.13
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	2	0.13
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	12	0.13
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	12	0.13
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	13	0.13
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	13	0.13
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	13	0.13
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	11	0.13
(1,1829)	1:79:A:ALA:HB1	1:81:A:LEU:HG	10	0.13
(1,1829)	1:79:A:ALA:HB2	1:81:A:LEU:HG	10	0.13
(1,1829)	1:79:A:ALA:HB3	1:81:A:LEU:HG	10	0.13
(1,1451)	1:54:A:VAL:HB	1:55:A:ASP:H	18	0.13
(1,1294)	1:75:B:VAL:HB	1:76:B:VAL:H	8	0.13
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	10	0.13
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	19	0.13
(1,842)	1:54:B:VAL:H	1:55:B:ASP:HB2	3	0.13
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	2	0.13
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	13	0.13
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB2	11	0.13
(1,743)	1:53:A:ALA:H	1:56:A:LYS:HB3	11	0.13
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	19	0.13
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	8	0.13
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	17	0.13
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	19	0.13
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG21	5	0.13
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG22	5	0.13
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG23	5	0.13
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	17	0.13
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	20	0.13
(1,266)	1:37:B:LEU:HB2	1:40:B:GLU:H	18	0.13
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	19	0.13
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	19	0.13
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	19	0.13
(1,193)	1:5:A:GLU:HG3	1:7:A:ALA:H	9	0.13
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	11	0.13
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	16	0.13
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	6	0.13
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	1	0.13
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	1	0.13
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	18	0.13
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	18	0.13
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	8	0.12
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	8	0.12
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	8	0.12
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	12	0.12
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	12	0.12
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	12	0.12
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	15	0.12
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	15	0.12
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	15	0.12
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	14	0.12
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	14	0.12
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	14	0.12
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	5	0.12
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	5	0.12
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	5	0.12
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	8	0.12
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	8	0.12
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	8	0.12
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	12	0.12
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	12	0.12
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	12	0.12
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	15	0.12
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	15	0.12
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	15	0.12
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	5	0.12
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	5	0.12
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	5	0.12
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	14	0.12
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	14	0.12
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	14	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	3	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	3	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	3	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	3	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	3	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	3	0.12
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	3	0.12
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	3	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	12	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	12	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	12	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	12	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	12	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	12	0.12
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	12	0.12
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	12	0.12
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	12	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG21	20	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG22	20	0.12
(1,3087)	1:75:A:VAL:HG11	1:78:B:VAL:HG23	20	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG21	20	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG22	20	0.12
(1,3087)	1:75:A:VAL:HG12	1:78:B:VAL:HG23	20	0.12
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG21	20	0.12
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG22	20	0.12
(1,3087)	1:75:A:VAL:HG13	1:78:B:VAL:HG23	20	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	3	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	3	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	3	0.12
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	3	0.12
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	3	0.12
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	3	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	3	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	3	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	3	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	12	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	12	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	12	0.12
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	12	0.12
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	12	0.12
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	12	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	12	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	12	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	12	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG11	20	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG12	20	0.12
(1,3086)	1:78:B:VAL:HG21	1:75:A:VAL:HG13	20	0.12
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG11	20	0.12
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG12	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3086)	1:78:B:VAL:HG22	1:75:A:VAL:HG13	20	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG11	20	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG12	20	0.12
(1,3086)	1:78:B:VAL:HG23	1:75:A:VAL:HG13	20	0.12
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	5	0.12
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	5	0.12
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	5	0.12
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	5	0.12
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	5	0.12
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	5	0.12
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	9	0.12
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	9	0.12
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	9	0.12
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	9	0.12
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	9	0.12
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	9	0.12
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	2	0.12
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	2	0.12
(1,2572)	1:25:B:LYS:H	1:25:B:LYS:HD2	13	0.12
(1,2572)	1:25:B:LYS:H	1:25:B:LYS:HD3	13	0.12
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB1	8	0.12
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB2	8	0.12
(1,2392)	1:54:B:VAL:HG21	1:84:B:ALA:HB3	8	0.12
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB1	8	0.12
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB2	8	0.12
(1,2392)	1:54:B:VAL:HG22	1:84:B:ALA:HB3	8	0.12
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB1	8	0.12
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB2	8	0.12
(1,2392)	1:54:B:VAL:HG23	1:84:B:ALA:HB3	8	0.12
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	2	0.12
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	2	0.12
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	2	0.12
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	2	0.12
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	2	0.12
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	2	0.12
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	2	0.12
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	2	0.12
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	2	0.12
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG2	7	0.12
(1,2249)	1:54:A:VAL:HG11	1:58:A:MET:HG3	7	0.12
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG2	7	0.12
(1,2249)	1:54:A:VAL:HG12	1:58:A:MET:HG3	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG2	7	0.12
(1,2249)	1:54:A:VAL:HG13	1:58:A:MET:HG3	7	0.12
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG21	5	0.12
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG22	5	0.12
(1,2217)	1:48:A:GLN:HG3	1:54:A:VAL:HG23	5	0.12
(1,2180)	1:60:B:GLU:HG2	1:61:B:LEU:HB2	6	0.12
(1,2180)	1:60:B:GLU:HG3	1:61:B:LEU:HB2	6	0.12
(1,2048)	1:34:B:LYS:HA	1:38:B:GLN:HB3	7	0.12
(1,2047)	1:34:A:LYS:HA	1:38:A:GLN:HB3	11	0.12
(1,2019)	1:14:A:VAL:HG21	1:40:A:GLU:HG2	5	0.12
(1,2019)	1:14:A:VAL:HG22	1:40:A:GLU:HG2	5	0.12
(1,2019)	1:14:A:VAL:HG23	1:40:A:GLU:HG2	5	0.12
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	9	0.12
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	9	0.12
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	9	0.12
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	10	0.12
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	10	0.12
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	10	0.12
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	6	0.12
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	15	0.12
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	13	0.12
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	14	0.12
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	16	0.12
(1,1293)	1:75:A:VAL:HB	1:76:A:VAL:H	20	0.12
(1,990)	1:10:B:THR:HB	1:11:B:LEU:H	5	0.12
(1,968)	1:47:B:ALA:H	1:48:B:GLN:HA	16	0.12
(1,967)	1:47:A:ALA:H	1:48:A:GLN:HA	13	0.12
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	10	0.12
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	15	0.12
(1,728)	1:39:B:THR:H	1:40:B:GLU:HA	4	0.12
(1,727)	1:39:A:THR:H	1:40:A:GLU:HA	1	0.12
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	7	0.12
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	9	0.12
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	9	0.12
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	2	0.12
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	4	0.12
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	9	0.12
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	10	0.12
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	19	0.12
(1,650)	1:45:B:LEU:HB2	1:47:B:ALA:H	15	0.12
(1,598)	1:48:B:GLN:HG2	1:49:B:LYS:H	2	0.12
(1,598)	1:48:B:GLN:HG2	1:49:B:LYS:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:30:A:LYS:HD3	1:67:A:GLY:H	13	0.12
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG21	3	0.12
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG22	3	0.12
(1,540)	1:31:B:LYS:H	1:69:B:VAL:HG23	3	0.12
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB2	19	0.12
(1,469)	1:54:A:VAL:H	1:56:A:LYS:HB3	19	0.12
(1,458)	1:6:B:THR:H	1:9:B:GLU:HG3	18	0.12
(1,457)	1:6:A:THR:H	1:9:A:GLU:HG3	3	0.12
(1,289)	1:61:A:LEU:HB2	1:63:A:GLU:H	2	0.12
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	2	0.12
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	14	0.12
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	20	0.12
(1,106)	1:40:B:GLU:HA	1:42:B:SER:H	17	0.12
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	12	0.12
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	12	0.12
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	12	0.12
(1,3194)	1:87:B:ASN:HD21	1:71:A:PHE:H	4	0.11
(1,3194)	1:87:B:ASN:HD22	1:71:A:PHE:H	4	0.11
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD21	4	0.11
(1,3157)	1:71:A:PHE:H	1:87:B:ASN:HD22	4	0.11
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD21	8	0.11
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD22	8	0.11
(1,3152)	1:41:B:LEU:HB3	1:4:A:LEU:HD23	8	0.11
(1,3126)	1:4:A:LEU:HD21	1:41:B:LEU:HB3	8	0.11
(1,3126)	1:4:A:LEU:HD22	1:41:B:LEU:HB3	8	0.11
(1,3126)	1:4:A:LEU:HD23	1:41:B:LEU:HB3	8	0.11
(1,3088)	1:75:B:VAL:HG11	1:78:A:VAL:HG21	8	0.11
(1,3088)	1:75:B:VAL:HG11	1:78:A:VAL:HG22	8	0.11
(1,3088)	1:75:B:VAL:HG11	1:78:A:VAL:HG23	8	0.11
(1,3088)	1:75:B:VAL:HG12	1:78:A:VAL:HG21	8	0.11
(1,3088)	1:75:B:VAL:HG12	1:78:A:VAL:HG22	8	0.11
(1,3088)	1:75:B:VAL:HG12	1:78:A:VAL:HG23	8	0.11
(1,3088)	1:75:B:VAL:HG13	1:78:A:VAL:HG21	8	0.11
(1,3088)	1:75:B:VAL:HG13	1:78:A:VAL:HG22	8	0.11
(1,3088)	1:75:B:VAL:HG13	1:78:A:VAL:HG23	8	0.11
(1,3085)	1:78:A:VAL:HG21	1:75:B:VAL:HG11	8	0.11
(1,3085)	1:78:A:VAL:HG21	1:75:B:VAL:HG12	8	0.11
(1,3085)	1:78:A:VAL:HG21	1:75:B:VAL:HG13	8	0.11
(1,3085)	1:78:A:VAL:HG22	1:75:B:VAL:HG11	8	0.11
(1,3085)	1:78:A:VAL:HG22	1:75:B:VAL:HG12	8	0.11
(1,3085)	1:78:A:VAL:HG22	1:75:B:VAL:HG13	8	0.11
(1,3085)	1:78:A:VAL:HG23	1:75:B:VAL:HG11	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3085)	1:78:A:VAL:HG23	1:75:B:VAL:HG12	8	0.11
(1,3085)	1:78:A:VAL:HG23	1:75:B:VAL:HG13	8	0.11
(1,3036)	1:11:B:LEU:HD21	1:4:A:LEU:HA	18	0.11
(1,3036)	1:11:B:LEU:HD22	1:4:A:LEU:HA	18	0.11
(1,3036)	1:11:B:LEU:HD23	1:4:A:LEU:HA	18	0.11
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	11	0.11
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	11	0.11
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	11	0.11
(1,3035)	1:11:A:LEU:HD21	1:4:B:LEU:HA	20	0.11
(1,3035)	1:11:A:LEU:HD22	1:4:B:LEU:HA	20	0.11
(1,3035)	1:11:A:LEU:HD23	1:4:B:LEU:HA	20	0.11
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	11	0.11
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	11	0.11
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	11	0.11
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD21	20	0.11
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD22	20	0.11
(1,3034)	1:4:B:LEU:HA	1:11:A:LEU:HD23	20	0.11
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD21	18	0.11
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD22	18	0.11
(1,3033)	1:4:A:LEU:HA	1:11:B:LEU:HD23	18	0.11
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG11	2	0.11
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG12	2	0.11
(1,2828)	1:78:B:VAL:H	1:75:A:VAL:HG13	2	0.11
(1,2825)	1:75:A:VAL:HG11	1:78:B:VAL:H	2	0.11
(1,2825)	1:75:A:VAL:HG12	1:78:B:VAL:H	2	0.11
(1,2825)	1:75:A:VAL:HG13	1:78:B:VAL:H	2	0.11
(1,2816)	1:13:B:ASN:HD22	1:3:A:GLU:HG2	19	0.11
(1,2813)	1:3:A:GLU:HG2	1:13:B:ASN:HD22	19	0.11
(1,2517)	1:15:B:PHE:HZ	1:28:B:LEU:HD11	8	0.11
(1,2517)	1:15:B:PHE:HZ	1:28:B:LEU:HD12	8	0.11
(1,2517)	1:15:B:PHE:HZ	1:28:B:LEU:HD13	8	0.11
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB1	17	0.11
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB2	17	0.11
(1,2391)	1:54:A:VAL:HG21	1:84:A:ALA:HB3	17	0.11
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB1	17	0.11
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB2	17	0.11
(1,2391)	1:54:A:VAL:HG22	1:84:A:ALA:HB3	17	0.11
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB1	17	0.11
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB2	17	0.11
(1,2391)	1:54:A:VAL:HG23	1:84:A:ALA:HB3	17	0.11
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE1	1	0.11
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:58:B:MET:HA	1:58:B:MET:HE3	1	0.11
(1,2191)	1:55:A:ASP:HA	1:58:A:MET:HB3	6	0.11
(1,2179)	1:60:A:GLU:HG2	1:61:A:LEU:HB2	1	0.11
(1,2179)	1:60:A:GLU:HG3	1:61:A:LEU:HB2	1	0.11
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD11	2	0.11
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD12	2	0.11
(1,2098)	1:38:B:GLN:HB2	1:45:B:LEU:HD13	2	0.11
(1,2020)	1:14:B:VAL:HG21	1:40:B:GLU:HG2	2	0.11
(1,2020)	1:14:B:VAL:HG22	1:40:B:GLU:HG2	2	0.11
(1,2020)	1:14:B:VAL:HG23	1:40:B:GLU:HG2	2	0.11
(1,2019)	1:14:A:VAL:HG21	1:40:A:GLU:HG2	2	0.11
(1,2019)	1:14:A:VAL:HG22	1:40:A:GLU:HG2	2	0.11
(1,2019)	1:14:A:VAL:HG23	1:40:A:GLU:HG2	2	0.11
(1,1834)	1:38:B:GLN:HA	1:42:B:SER:HB2	6	0.11
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB1	14	0.11
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB2	14	0.11
(1,1732)	1:76:B:VAL:HA	1:80:B:ALA:HB3	14	0.11
(1,1451)	1:54:A:VAL:HB	1:55:A:ASP:H	13	0.11
(1,1451)	1:54:A:VAL:HB	1:55:A:ASP:H	19	0.11
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	11	0.11
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	12	0.11
(1,1332)	1:81:B:LEU:HG	1:82:B:THR:H	19	0.11
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	7	0.11
(1,841)	1:54:A:VAL:H	1:55:A:ASP:HB2	17	0.11
(1,834)	1:35:B:GLU:HG2	1:36:B:LEU:H	18	0.11
(1,833)	1:35:A:GLU:HG2	1:36:A:LEU:H	7	0.11
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB2	5	0.11
(1,744)	1:53:B:ALA:H	1:56:B:LYS:HB3	5	0.11
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	2	0.11
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	5	0.11
(1,660)	1:3:B:GLU:HG3	1:4:B:LEU:H	12	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	1	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	2	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	3	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	4	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	7	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	10	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	11	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	15	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	16	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	17	0.11
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:31:B:LYS:H	1:65:B:GLY:H	19	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	1	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	3	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	5	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	6	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	7	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	8	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	11	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	14	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	16	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	17	0.11
(1,653)	1:31:A:LYS:H	1:65:A:GLY:H	20	0.11
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	16	0.11
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	16	0.11
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	16	0.11
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD21	17	0.11
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD22	17	0.11
(1,620)	1:42:B:SER:H	1:45:B:LEU:HD23	17	0.11
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD21	15	0.11
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD22	15	0.11
(1,513)	1:34:A:LYS:H	1:36:A:LEU:HD23	15	0.11
(1,262)	1:61:B:LEU:HD11	1:63:B:GLU:H	10	0.11
(1,262)	1:61:B:LEU:HD12	1:63:B:GLU:H	10	0.11
(1,262)	1:61:B:LEU:HD13	1:63:B:GLU:H	10	0.11
(1,225)	1:41:A:LEU:H	1:42:A:SER:HA	15	0.11
(1,193)	1:5:A:GLU:HG3	1:7:A:ALA:H	8	0.11
(1,189)	1:28:A:LEU:H	1:70:A:ASP:HB3	5	0.11
(1,185)	1:27:A:LYS:H	1:28:A:LEU:HB2	2	0.11
(1,98)	1:43:B:GLY:H	1:44:B:PHE:HD1	5	0.11
(1,98)	1:43:B:GLY:H	1:44:B:PHE:HD2	5	0.11
(1,98)	1:43:B:GLY:H	1:44:B:PHE:HD1	13	0.11
(1,98)	1:43:B:GLY:H	1:44:B:PHE:HD2	13	0.11
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD1	8	0.11
(1,97)	1:43:A:GLY:H	1:44:A:PHE:HD2	8	0.11
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG21	18	0.11
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG22	18	0.11
(1,72)	1:73:B:GLU:H	1:75:B:VAL:HG23	18	0.11
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD21	18	0.1
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD22	18	0.1
(1,3156)	1:41:B:LEU:HG	1:4:A:LEU:HD23	18	0.1
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD11	6	0.1
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD12	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3149)	1:41:A:LEU:HB3	1:4:B:LEU:HD13	6	0.1
(1,3130)	1:4:A:LEU:HD21	1:41:B:LEU:HG	18	0.1
(1,3130)	1:4:A:LEU:HD22	1:41:B:LEU:HG	18	0.1
(1,3130)	1:4:A:LEU:HD23	1:41:B:LEU:HG	18	0.1
(1,3127)	1:4:B:LEU:HD11	1:41:A:LEU:HB3	6	0.1
(1,3127)	1:4:B:LEU:HD12	1:41:A:LEU:HB3	6	0.1
(1,3127)	1:4:B:LEU:HD13	1:41:A:LEU:HB3	6	0.1
(1,3019)	1:7:A:ALA:HB1	1:10:B:THR:HB	5	0.1
(1,3019)	1:7:A:ALA:HB2	1:10:B:THR:HB	5	0.1
(1,3019)	1:7:A:ALA:HB3	1:10:B:THR:HB	5	0.1
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB1	5	0.1
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB2	5	0.1
(1,3018)	1:10:B:THR:HB	1:7:A:ALA:HB3	5	0.1
(1,2956)	1:5:B:GLU:HG2	1:41:A:LEU:HD11	12	0.1
(1,2956)	1:5:B:GLU:HG2	1:41:A:LEU:HD12	12	0.1
(1,2956)	1:5:B:GLU:HG2	1:41:A:LEU:HD13	12	0.1
(1,2953)	1:41:A:LEU:HD11	1:5:B:GLU:HG2	12	0.1
(1,2953)	1:41:A:LEU:HD12	1:5:B:GLU:HG2	12	0.1
(1,2953)	1:41:A:LEU:HD13	1:5:B:GLU:HG2	12	0.1
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG11	17	0.1
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG12	17	0.1
(1,2827)	1:78:A:VAL:H	1:75:B:VAL:HG13	17	0.1
(1,2826)	1:75:B:VAL:HG11	1:78:A:VAL:H	17	0.1
(1,2826)	1:75:B:VAL:HG12	1:78:A:VAL:H	17	0.1
(1,2826)	1:75:B:VAL:HG13	1:78:A:VAL:H	17	0.1
(1,2815)	1:13:A:ASN:HD22	1:3:B:GLU:HG2	19	0.1
(1,2814)	1:3:B:GLU:HG2	1:13:A:ASN:HD22	19	0.1
(1,2612)	1:28:A:LEU:HD21	1:69:A:VAL:H	13	0.1
(1,2612)	1:28:A:LEU:HD22	1:69:A:VAL:H	13	0.1
(1,2612)	1:28:A:LEU:HD23	1:69:A:VAL:H	13	0.1
(1,2611)	1:28:A:LEU:HD11	1:69:A:VAL:H	12	0.1
(1,2611)	1:28:A:LEU:HD12	1:69:A:VAL:H	12	0.1
(1,2611)	1:28:A:LEU:HD13	1:69:A:VAL:H	12	0.1
(1,2516)	1:15:A:PHE:HZ	1:28:A:LEU:HD21	15	0.1
(1,2516)	1:15:A:PHE:HZ	1:28:A:LEU:HD22	15	0.1
(1,2516)	1:15:A:PHE:HZ	1:28:A:LEU:HD23	15	0.1
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE1	8	0.1
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE2	8	0.1
(1,2329)	1:58:A:MET:HA	1:58:A:MET:HE3	8	0.1
(1,2020)	1:14:B:VAL:HG21	1:40:B:GLU:HG2	5	0.1
(1,2020)	1:14:B:VAL:HG22	1:40:B:GLU:HG2	5	0.1
(1,2020)	1:14:B:VAL:HG23	1:40:B:GLU:HG2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD21	10	0.1
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD22	10	0.1
(1,1963)	1:33:A:LEU:HA	1:37:A:LEU:HD23	10	0.1
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	6	0.1
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	6	0.1
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	6	0.1
(1,1939)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	17	0.1
(1,1939)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	17	0.1
(1,1939)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	17	0.1
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB1	10	0.1
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB2	10	0.1
(1,1849)	1:51:A:VAL:HA	1:84:A:ALA:HB3	10	0.1
(1,1833)	1:38:A:GLN:HA	1:42:A:SER:HB2	15	0.1
(1,1331)	1:81:A:LEU:HG	1:82:A:THR:H	20	0.1
(1,1213)	1:8:A:MET:H	1:8:A:MET:HG2	4	0.1
(1,1058)	1:69:B:VAL:HG11	1:73:B:GLU:H	4	0.1
(1,1058)	1:69:B:VAL:HG12	1:73:B:GLU:H	4	0.1
(1,1058)	1:69:B:VAL:HG13	1:73:B:GLU:H	4	0.1
(1,833)	1:35:A:GLU:HG2	1:36:A:LEU:H	13	0.1
(1,833)	1:35:A:GLU:HG2	1:36:A:LEU:H	18	0.1
(1,649)	1:45:A:LEU:HB2	1:47:A:ALA:H	5	0.1
(1,649)	1:45:A:LEU:HB2	1:47:A:ALA:H	17	0.1
(1,261)	1:61:A:LEU:HD11	1:63:A:GLU:H	17	0.1
(1,261)	1:61:A:LEU:HD12	1:63:A:GLU:H	17	0.1
(1,261)	1:61:A:LEU:HD13	1:63:A:GLU:H	17	0.1
(1,190)	1:28:B:LEU:H	1:70:B:ASP:HB3	6	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found